

# SEQUENCE LISTING

<110> Abuin, Alejandro  
Zambrowicz, Brian  
Sands, Arthur T.

<120> NOVEL MUTATED MAMMALIAN CELLS AND  
ANIMALS

<130> LEX-0304-USA

<150> US 60/265,574

<151> 2001-01-31

<160> 248

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 297

<212> DNA

<213> Mus musculus

<400> 1

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aaccacatgg tggcctcata accatccgta acgaaatctg atgccctctt ctggaatgtc 240
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<210> 2

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<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(656)

<223> n = A,T,C or G

<400> 2

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ccccgcctcc gctgccccgg tgggtggcca cggccccccg gttgccagtg gtgaaactgg 180
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cccaaggngt tgagggtgtg gctttactgc tggaggcggn tnattccatg caccctcca 600
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 ggagcctgcg cggggtccag gaattgacag gccgctctgt ggagtttgag gagatggaca 180  
 tcttggaacca ggcagcccta cagcacctct ttaagaagca cagctttaag gccgtcatcc 240  
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 ttaacttaac agggaccatc cagcttctag agatcatgag ggcccacgga gtgaagagcc 360  
 tgggtgttcag cagctcagcc accgtgtacg ggaaccccca gtacctgcct ctggatgagg 420  
 cccacccacac ggggggctgt accaaccctt acggcaagtc caagttcttc atcgaggaga 480  
 tgatccggga cctgtgccgg gcagacacgg cctggaacgc cgtgctgctt cgggtacttca 540  
 atcccatagg cgcccacgcc tctgggcgca tcggtgaaaa tntcanggt attnccaaca 600  
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<210> 4  
 <211> 647  
 <212> DNA  
 <213> Mus musculus

<400> 4  
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 gtttgagat gcaaaccctt acaaggacaa gtttctgcga gagcaaattg aaaagtctag 180  
 agatggatat gtggacattt ctctcctggt gtctttaaac aaaatgaaga agctgacaac 240  
 tgatgggaag ctaatagcca gagcattgaa aagctcatct gttgtagagt tggacttaga 300  
 agggaccaga atcaggagga aaaaaccctt aggtgagaga ccaaaggacg aggaggaacg 360  
 cacggtatat gtggagtgtc tccccaaaaa tgttactcat agctggattg agagagtatt 420  
 tgggaaatgt ggcaatgtgg ttacataaag tattccacat tacaagtcta ctggggatcc 480  
 taaggattt gcctttgtgg aatttgaaac aaaagagcaa gcagcaaaag ccattgagtt 540  
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<210> 5  
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 <213> Mus musculus

<220>  
 <221> misc\_feature  
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 <223> n = A,T,C or G

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 gagcgtgtgt cgggcctggc gggctccatc taccgcgagt tcgagcgctt cattcactgc 180  
 tatgacgagg aggtggtcaa ggagctcatg ccgctggtgg tgaacgtgct ggagaaccnn 240  
 gactcgggtgc tgagcgagaa ccaggagcac gaggtggagc tggagctcct acgcgaggac 300  
 aacgagcagc tgctcacgca atacgagcgc gagaaggcgc tgcgcaaaca ggccgaggag 360

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nngngtgtgc cccggnccgc gcctngagng acgngngtgnn tagangtgca gnacccagnt 420
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tntccatcca atngagacct aaanacacagc ctgtgcaaag nccggnagac ntngncccc 540
attcctgctg gncctctgacc ttggctgncg ccngctnnnt ctnggattnt attccttccc 600
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<210> 6
<211> 645
<212> DNA
<213> Mus musculus

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<220>
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<222> (1)...(645)
<223> n = A,T,C or G

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<400> 6
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ttccaggaca ggagagctct ctgcagtggg cagggatgaa gtttgaggac gtcccaattg 180
cacacattaa agcaacctac aacaacacac agatccaggt agtctctgcc accaatgcgt 240
ccctggcccc cgcttcctgt ggcacagaag gctttcgcaa tgccaagaag ggcaccggca 300
tcgccgcaca gacagcaggc atagctgccg cagcaaaaag cacaggaaaag ggagtgacct 360
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gccgaccccc gaaggctcga aggctgtgac gggaagggag cctgcacttg gacctggcct 540
caggtcttga ctctgtgga tcctacagaa ggccactgt ggaagccgct ggagccggct 600
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<210> 7
<211> 636
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (1)...(636)
<223> n = A,T,C or G

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<400> 7
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gcataccggg agcactcgag gaagaagagg agacttacga aaccttcgac cccctctgc 180
acagtacggc tatctacgca gaagacgagc tgtccaaaca ctgtgtgtcc tccagttccc 240
tggccaccca cagagggaag gcgagcagaa acttggacct ttctgaagat gaagcaagtg 300
gaaatgagtc tatcaaggtc agcacaacaaa agccaaggag aaagctggag cccatcagcg 360
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cggtcactcc caggaggaca agactccaca gcgctcagct ctctcctgta gacgagacac 540
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<210> 8
<211> 636
<212> DNA
<213> Mus musculus

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<220>  
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 <223> n = A,T,C or G

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 gagggaggag gaagaggcgn angncgtgga gtacctggcc nanctgccgg tagccgntgc 120  
 tgctgncgt gctggccnag ntgccagcta cggagctgnt gcaggcctgc cncctgggtgt 180  
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 tttctgagca agangaggcg caacctgctg cgcaaccctt gtggggaaga ggacttggag 360  
 ggctggagcg acgtggagca cgggtggggac ggctggaagg tggaggaact gcccggagac 420  
 aatggggngg aatttaccca anatgacagc gttaagaaat acttcgcctc ctccttcgag 480  
 tgggtgtcgca aagcgcaggt cattgatctg caggcagagg gctactggga ggagctactg 540  
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<210> 9  
 <211> 635  
 <212> DNA  
 <213> Mus musculus

<220>  
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 <223> n = A,T,C or G

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 catgtaggag ttgcttggcc caaagtgttc atcaagacca gcctggaaga ggcctcagtg 180  
 aagatgacat tcgcagggca cgggaggccc ggctcaggaa ggcaccccg ggcctcagtga 240  
 gtgatcgctc tcgtgaacgc aaggtgcctg cctcccgcac cagtcgcttg gccagctttg 300  
 gggggctggc tgtgggcttg ggcctgggag cgctggctga ggtgactaag aagtccttgc 360  
 caggtggaag tctgcagcat gagggcgctc ctggattggg ctccagtcct ttcctctccg 420  
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 tcggccaaat gctcagtatc caggacaaca gctttatcag cccccagctt cagcgaatct 540  
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 aaaagggagc tnggcaagga ctggcacaaga caagg 635

<210> 10  
 <211> 634  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(634)  
 <223> n = A,T,C or G

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 acgtnacaca gcacacagct cttgctgnaa cccatnttna cngtctgact gnnagactgn 180  
 attatacntn nacaaaaggg cncactcagn catgctnang aacannttan gcgtgaggna 240

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aagaagtttc ancnggtgat agcaaagttt ccatttcggt tgaaaactat cgcaaagttc 300
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aaaattttgc ccttggcttt cangtagggg atggaattgg aatggatttg aaactatcca 540
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634

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<210> 11
<211> 634
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (1)...(634)
<223> n = A,T,C or G

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<400> 11
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aagcagcgag cttttaccag cgtgctttgc tggccaatgc tctgaccagc gctctgaggc 240
tgcacagag attacctcac ttccagttga gcagagtgtt cctggctcag gccttgtag 300
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tcttgagcgc aaaggggttca aatagtttac ctctgttgag atcattcttg gataaattaa 480
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gantttctac tcttcnatat tctctagaa aaaa
634

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<210> 12
<211> 633
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (1)...(633)
<223> n = A,T,C or G

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ggccaaacgc agcatccttt ggacctcctt ttggacttga cctccttcca gaacttcac 180
cactaaatgc gcattcgagg aacaaagctg acttccaaag gagtgataga atcaacatgg 240
aaacaaacac caaggcttta aaaggcgctg gcatgactgt gctgccagcc aaagcctctg 300
aggtgaacct ggaagaacta cctcctctga attacttttt acatgcattt tattacagtt 360
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ttggctccag tttttatcct gagttaggaa gttacagctc tcgagaccct tctgtcatag 540
aaactcacat gaaacaaatg cgctcagcct caattggttg ggaattattt tattttattt 600
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633

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<210> 13
<211> 633

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<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(633)  
<223> n = A,T,C or G

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gccttgctgg tcaattatat caccgcctac atggttctct ttgacttcgg caacctgaga 180  
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ctgtnttacc tggatggaga ggtggaactc gtc 633

<210> 14  
<211> 632  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(632)  
<223> n = A,T,C or G

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gagcggcgga acccatggag gcctctctgg gtccgcgcgg agatcccatg gtggtgctgt 180  
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<210> 15  
<211> 632  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(632)  
<223> n = A,T,C or G

<400> 15  
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cgcaagtact acatggatct caaggagAAC cagcgcgggc gcttcctgcy catccgccag 240
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gagcagcttc accagcagca acagcagcag ca                                     632

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<210> 16
<211> 632
<212> DNA
<213> Mus musculus

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<400> 16
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tatgtgcaga agcacaatat ccaggccctg ctgaaggact ccatcgtgca gctgtgcact 120
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gaggcaagac agattcagtg tctacagaaa accggcatcc gtactgactc gaggaggagc 240
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agaaatggat gtctatgtca ataatgaatg ggcaaccagt gttggggaag gaggagctt 600
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<210> 17
<211> 629
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (1)...(629)
<223> n = A,T,C or G

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<400> 17
gtcctgaccg acaactttgc tgaaactgaa nagecgtgtc aagcccagcc gcccgctgtt 60
ggccccgggg gctctcctgg catccagaat tcggatcatg actcctgtga gcagccacgg 120
cttggcgagg agcatttttg acctggacta cgcttcgtgg aagattcggg cgactctagc 180
ggttgctggc tttgtcttct acctgggcgt cttttagtgc tgccatcagc tctcatcgtc 240
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<210> 18
<211> 628
<212> DNA
<213> Mus musculus

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<220>  
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 <223> n = A,T,C or G

<400> 18  
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 aggagtatgc tgaggatgac aacatctacc aacagaagat caaggacctc cacaaaaagt 180  
 actcatacat acggaagacc cggcctgatg gcaactgctt ctaccgagcg tttggcttct 240  
 cccacctgga ggcactgcta gatgacagca aggaactgca gcggttcaaa gccgtgtctg 300  
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 cctcaggcta cctacagcgg gagagcaagt tcttcgagca cttcatcgag ggtggccgga 540  
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<210> 19  
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 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(628)  
 <223> n = A,T,C or G

<400> 19  
 tgtctgtgtc ctgctctcct tcccgttata ttngcccgtg cctgggctgc ggggaagccc 60  
 gcctgaatgg gctgccttgc tgtactatgg acccttcatt gtcgtcttcc agtttggtctg 120  
 ggctgccacg cagattgccc acctgagcct catcccagag ctggtgacca gtgaccacga 180  
 gaaggnggag ctcacggccc tcaggtatgc gttcactgtg gnggctaaca tcaccgtgta 240  
 cggcgcancc tggctgtctg tgcaactgca gggctctgca cacggcgagc aggacatcag 300  
 tgtgggtgac cagctaggag tccaggatgt gcccggttgc cggaacctgg ccctgcttgt 360  
 ggnggggtg ggagccatct tctctctgct cttccacttg ggtaccaagg agggccacag 420  
 gtcccancac tggggggaac gaaccnatg agcacacccc cctgggtggc ccagccggnt 480  
 ccagccactg ntgctgttgg aaacactggc tttngggagc cngcnttttt ntaaggtagg 540  
 gcatgctgta catgaccaca aggcttcatt tngaaaccn gtctcagacn ctacatttgc 600  
 nangcgctc gacctatttt ttttttagc 628

<210> 20  
 <211> 627  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(627)  
 <223> n = A,T,C or G

<400> 20  
 cttggtggcc cgtctcttgt ttttcctggg ttatgacttt cggcttttgt gaatacggct 60  
 gagatgaaag gatttattga cgatgcgaac tactccgttg gcctggttga tganggaacc 120  
 aacctncaa atgtnatgnc naactatgcc ttngaccgtg cctgacagg aaaaaaatgc 180  
 attttttgtg ggggatcttg ggaagatcgt gaagaagcac agtcagtggc agaccgtggt 240



```

ggctcagata aagccgtttt acacgggtgaa gtgcaactcc actccagccg tgcttgagat 300
cttggcagct cttggaactg ggtttgcttg ttccagcaaa aatgaaatgg ctttagtgca 360
agaattgggt gtatctccag aaaacatcat ttccacaagt ccttgtaagc aagtgtctca 420
gataaagtat gcagcaaaaag ttggagtaaa tattatgaca tgtgacaatg agattgaatt 480
aaagaaaatt gcanaggaat caccctaatg ccaaggtctt actacatatt gcaaacagaa 540
gataatattg naggtgaaga aggggaacatg aaagtttggc nctacnctga agaantgnag 600
ggcatcttta ctgcacctcc tgggaaa                                627

```

```

<210> 21
<211> 621
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(621)
<223> n = A,T,C or G

```

```

<400> 21
tgagaccctt gctattgctg atatctacnc agaactngcc catcnagtgg tagtagccta 60
gtatgcaccc agcggattct acattgcttc tggagacatc tctgggaagc taaggatctg 120
ggataccaca cagaaggagc atcttctaaa gtatgagtag cagcctttcg ctgggaagat 180
caaggacatt gcctggacgg aagacagtaa gaggatcgcc gtggtcgggg aaggaaggga 240
gaagtttgga gctgtcttct tatgggacac tggctcttct gtgggtgaga tcacaggaca 300
caacaaagtc atcaacagtg tggacataaa gcagaccagg ccctaccgac tagcaacagg 360
gagtgatgat aactgtgctg cgttcttcga gggccctcca ttcaagttca agttcacaaat 420
tggtgaccac agccgctttg tcaactgtgt gcgattctct cctgatggga acagatttgc 480
cacagctagc gctgatggcc agattttcat ttatgatggg aagacgggag agaaggtgtg 540
tgcccttgga gaaagcaagg cccatgatgg aggaatttat gccattagtt ggagtcctga 600
tagcactcat ttgctatctg c                                621

```

```

<210> 22
<211> 621
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(621)
<223> n = A,T,C or G

```

```

<400> 22
acctgaggag tgaagatagt ccagnnccta agagacagcg cctctctcat tcagtctttg 60
attatacatc agcatcacca gtcacctcac caccaatgcy accatgggag atgacatcaa 120
ataggcagcc cccttcagtt cgaccaaata aacatcactt ctcaggggaa cgctgtaaca 180
cacctgcacg caacagaaga agtcctcctg ttaggcgtca gcgaggaaga agggaaacgtc 240
tgtctcgaca taattccatt agtcaagatg aaaactatca ccatctccct tatgcacagc 300
agcaagcaat agaggaacct cgagccttcc accctccgaa tgtatctccc cgtctgttac 360
atccagctgc ccatcccccc cagcagaatg cagtcatggt tgacatacat gatcaggtag 420
anntacnnaa tgnccctggaa ctncntgngg taaaagntaa cgggtgntaa ngnggatcta 480
tcganntgng gggcttggtg cnngntcctn naattcctga agtgcancna gnttgngtgg 540
nncntnctt tnannaangg aaatttagcc agggntntgt gcacataact tgaacattgt 600
ntcaatgaat gaatgagaga a                                621

```

```

<210> 23
<211> 621

```

<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(621)  
<223> n = A,T,C or G

<400> 23  
atgtctcctgg ggccccctcct ctgncaange cttgancctt catgtaagta ccatttttctg 60  
atggatgagc acgtggtagg aacacccctg ctggtgaagt ctggtgtgga gtacacacng 120  
cttgctgtgg agtcagctcg gggccttgat gggagcagcc atgtgggtcat gtatctgggt 180  
acctccacgg ggtccctgca caaggctgtg gtgcctcagg acagcagtgc ttatctcgtg 240  
gaggagattc agctgagccc tgactctgag cctgttcgaa acctgcagct ggcccccgcc 300  
caggggtgcag tgtttgcagg cttctctgga ggcattctgga gagttcccag ggccaattgc 360  
agtgtctacn agagctgtgt ggactgtgtg cttgccaggg accctcactg tgcctgggac 420  
cctgaatcaa nactctgcag cttctgtctt ggctctacca agccttgga gcaggacatg 480  
gaacgcggca acccggagtg ggtatgcacc cgtggcccca tggccaggag cccccggcgt 540  
cagagccccc ctcaactaat taaagaagtc ctgacagtcc ccaactccat cctggagctg 600  
ccctgcccc accctgcagc g 621

<210> 24  
<211> 618  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(618)  
<223> n = A,T,C or G

<400> 24  
acatacacct gtgggataca cgaacttcaa gactgngatg ctantgtttt tattgcccctt 60  
tatcaatcca ttttgggaga aaaggtacca gacctcatag ttcttcccag gaatcaagaa 120  
gacgaggccc acaatgtcca agcggtaatt gattcactcg ctttggatta ccttcagggtc 180  
agcctgtctc acataacagg agaaaacata gtgaaagggg ataatagaatc tatcaggaat 240  
ctcctagaaa tatttgatgg attgctggat tatctgacag aacacatcag tgaatcgtct 300  
cccaacaaaa gtgaaactga gcagtattct aaagattctc atggagaaga agctggggag 360  
gacctagaac gtaccgagga ggcgaagtgg agaaacgctt cttttatgag gtgttccttc 420  
tcacgggaca ctttgggccc cacctgggat gaagacgaag ctgagtcac aggtgaaata 480  
attaggctgg gagacactgc acataccttt tcccaagaa gtaatgggtgc tcaaaattct 540  
aaggacttac gggctanaaa agcctcggct tcaccaggcg ttgagccacc tgaggaaatg 600  
ttgaaccctg gccattg 618

<210> 25  
<211> 618  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(618)  
<223> n = A,T,C or G

<400> 25  
gcttgctgta acttggtctt cttacctgca ccccaagaa tgatgagatn ctatcagcng 60

```

ggnggntgn aataccctaa actggttttc cgagcaggnc ggcancatac ccncangagc 120
tgcttaangc aggtccccga ggcctttctc acactgcata ancatggntg cttgtttngg 180
gacngngnga ggatccaagg caaagatgng ctcaccccag tatctcncat cctcatcggg 240
gacccaggct gcnccataca gtacttgaac accagactct tcacgggtgcc ctggcccgtg 300
aagggtgca ctgtcaagta cacagaggct gagatcgccg ctgcatgtca gaccttcta 360
aagctcaatg actacctcca ggtggagacc atccaggcct tggaagaact ggctgtcaga 420
gagaaggcca atgaagatgc tgtgccactg tgcatggcag agttccccag ggccggcgtg 480
gggccgtcct gtgatgatga agtggacctt aagagcagag cagcctacaa cgtgactttg 540
ctaaacttca tggatcctca gaagatgccc tacttgaaag aggagccnta tttcggcatg 600
gggaagatgg cggtgagc

```

618

```

<210> 26
<211> 616
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(616)
<223> n = A,T,C or G

```

```

<400> 26
actttagctc ctctgtcagn atgaatggga accagcaatt ggctgcttat aaccaagaaa 60
agcagaatth catccagcac ttctcccaga tcgtcaagggt gctgactgag aaggagctgg 120
gacaccacga gataggggat gctattgccc ggctcaaggga ggtcctagag tacaatgcct 180
taggaggcaa gtacaaccgg ggtttgaccg tggatcaagc cttccaggag ctggtggagc 240
cgaagaaaca ggatgctgag agtcttcagc gggccctgac agtgggctgg tgtgtagaac 300
tgctccaggc tttcttctct gtgtcagatg acatcatgga ctcttccctc actcgccggg 360
gacagatntg ctggtatcag aagccaggca taggcttggg tgccatcaac gacgctctgc 420
ttctggaagc ctccatctat cgtttgctga agttctactg caggagagcag ccctactacc 480
tgaacctgct ggagctcttt ctgcagagtt cctatcagac agagatcggg cagactctag 540
acctcatgac agcaccacag ggccatgtgg atcttggttag atacactgaa aagaggtaca 600
aatcgattgt caagg

```

616

```

<210> 27
<211> 615
<212> DNA
<213> Mus musculus

```

```

<400> 27
agtgtggctg ccaacgtccg ggtgggaaat gcaactgggc caggaaacat tgaccaggcc 60
aagaagtcct cagctatttc cttgatagtc acagagctct ttgctgtgac cttctgcgtc 120
ctgctgctag gctgtaagga tctcgtgggc tacattttca ctaccgatcg ggatategtg 180
gccttggtgg ctcaagtgat cccatttat gctgtgtccc acctctttga aggtcttgc 240
tgtacctgtg gtggtatcct gaggggcaact gggaaccaga aggttgagc catcgtaaat 300
gccatcgggt attatgtcat tggcctcccc atcgggatcg cgctgatgtt tgctgctaag 360
ctgggagtga tcggcctgtg gtcaggcatc atcatctgca ctacctgtca gaccacgtgc 420
ttctggcctt ttattgctcg gctcaattgg aaacgcgcct gtcaacaggc tcaagtacat 480
gccaatttga aggtaaacgt ggccctgaat tccgctgtct ctcacgagcc tgctcaccca 540
gtgtgtcctg agagccatgg agaaattatg atgacggatc ttgaaaaaaa agacgagact 600
cagttggacc agccg

```

615

```

<210> 28
<211> 613
<212> DNA
<213> Mus musculus

```

<220>  
 <221> misc\_feature  
 <222> (1)...(613)  
 <223> n = A,T,C or G  
  
 <400> 28  
 cgcagctgta tgcacaaaca ggcggggcatg agtnccagcc agncacgccc tggngcttgg 60  
 catgttcggn ncaggtaaan gaccccgagg tacaaggcca tcctggcccc ncngtatggn 120  
 tctgagggca ggntcacctt cacctccac acccctgggtg agcaccagat ctgtcttcac 180  
 tcaaatcca ccaagttctt cctctttgnc ggagggatgc tgagggttca ccttgacatc 240  
 caagtgggag aacatgcaaa cgactatgca gaaattgctg ccaaggacaa gctgagcgag 300  
 ctgcagctga ggggtgcgaca gctgggtggag caagtggagc agatccaaaa ggagcagaac 360  
 taccagcggg ggcgagaaga ggccttcaga caaaccagcg aaagcaccaa ccagcgagt 420  
 ctatgggtgg ncatcctgca gactctcatc ctctgggcca ttggcgtctg gcagatgcng 480  
 cacctcaaga gctttttttt aagccaanaa gttgggngta gcaacctgtc ccaagcctca 540  
 caggcgatnt tnttttcagg ctgtgggaag taagaagang actgggtttt aacccgcaaa 600  
 tgttcttggg gga 613

<210> 29  
 <211> 612  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(612)  
 <223> n = A,T,C or G

<400> 29  
 aacttcaagt cataagttta gtagaccaag naggcacatt cgaggtgctg tggatgctgc 60  
 tgtcccaact aacatcattg cggccaaggc tgctgaagt cgtgccaaca aagtgaactg 120  
 gcagtcttat cttcaggggc agatgatttc tgctgaagat tgtgaattta ttcaaagggtt 180  
 tgaaatgaaa agaagttccg aggacaagca agagatgctt caaactgaag gcagccagt 240  
 tgctaaaaca ttataaaatc tgatgacgca catctccaaa gaacagacag tgcagtacat 300  
 actaaccatg gttgacgata tgctgcagga aaatcaccag cgtgtcagca ttttctttga 360  
 ctatgcgaaa cgaagcaaga tggcagcaag aattatcgcc aagttagctg cttgggggaa 420  
 ggatcccttt actgttcata tggcagcaag aattatcgcc aagttagctg cttgggggaa 480  
 agaactgatg gaaggcagt acttaaatta ctattttcaa ttggataaaa actcagctga 540  
 gttcacagaa acttcntggc agcnggtgtt tgctgttgaa acaggaacaa atctcttcaa 600  
 gtgatagttt gc 612

<210> 30  
 <211> 612  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(612)  
 <223> n = A,T,C or G

<400> 30  
 actgttcgat atgatatcct gcccttatct cctttgtccc ggaatcgctt agcccagggtg 60  
 aagaggaaga tcctgggtgct ggatctggac gaaacctga ttcactctna ccacgatggg 120  
 gtgctgaggg ctacagttag acctgggaca cctcccgact tcactctcaa ggtggtaata 180  
 gacaaacacc cagtccgggt ttttgtacat aagaggcccc atgtggattt cttcttagaa 240

```

gtggtaagcn agtgggnatga gcttgtggng tncacagcat gcatggaant ntatggctct 300
gctgnngcag ataaactgga caacagnaga agcattctta agaggagata ctacagacag 360
cactgcactt tggagttggg cagntacatc aaagacctct ccgtgggtcca cagcgacctg 420
tccagcatcg tgatcctgga caactcccc ggggcttaca ggagccaccc agacaatgcc 480
atccccatca aatcctgggt cagtgaaccc agtgacacag cccttctcaa ccttctccca 540
atgctggatg cctcagggt cactgctgat gtccgatcgg ngctgagccg aaaccttcac 600
caacatagge tt
612

```

```

<210> 31
<211> 611
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

```

```

<400> 31
gagatgaggg tgccgtcccg aacaacaaga atcactgtan tgggcgttgg acaagnggnt 60
atgggnatgtg ccatcancat tctgggaaaag nctntggctg angaacttgc cctggctgga 120
tgtgttggaa gacaagctca tnggagagat gatggacctg cagcacggga gcttgttcct 180
ccagactccg aaaattgttg ccgataaaga ttactctgtg acagccaact ctaagattgt 240
ggtggtgacg gcaggagtcc gccagcagga gggggagagt cggctcaacc tgggtgcagag 300
aaatgtcaac gtgttcaagt tcatcattcc tcagatcgtc aagtacagcc ctgactgcac 360
catcatcgtg gtttccaacc cagtggatat tctgacttac gtcacctgga aactgagcgg 420
gctacctaag caccgtgtga ttggaagcgg atgcaatctg gattctgctc gattccgcta 480
cctcatggca gagaagcttg gcattcatcc cagcanctgn cacggatgga tcctgggcga 540
gcatggagac tncagtgttg gctgtgtgga accgggggtga atgtggcaag aantctccct 600
ccagaactga a
611

```

```

<210> 32
<211> 608
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G

```

```

<400> 32
tgcttcgaat cctgctctct gcccagcact tcccctgctc ggctgtcttg tttgctgctc 60
atcccaccag tacagccctg ttgtttggga ccagcaagt ccggggaccg gccttttgga 120
ggaggccctg tgcaaggcct tcaacggctt ctggaacagg cacggagccc tggggagcta 180
ctgcatggc tgagccagaa cccaccaaag gtgcgagctc atcactaccc tgtggcactc 240
cggcgtcttg gccagctctt ggtgtctcag cctaggccct ctctgtgga gcaggccaca 300
ctgcaggact tgagtcagct catcatccga aactgcccct cctttgacgt tcacaccatc 360
catgtgtgtc tccaccttgc agtggttact ggcngannann gaaatggaac gctcctgtgt 420
gccctcgagc aggagcgagc gncccgctc cctccaangc caccctcccc acatcggcct 480
gccatctatg gnggtcaaag gttgnaagtg gccctgagct gccccggtt nctgcagnac 540
cctngtnagc atctgatcag aagcntggca gaggcaaggc cagaagaact gactcctcac 600
gtaatggg
608

```

```

<210> 33
<211> 606

```

<212> DNA  
 <213> Mus musculus  
 <220>  
 <221> misc\_feature  
 <222> (1)...(606)  
 <223> n = A,T,C or G

<400> 33  
 ctctgcctta ccttcncaag ggcagaaaaan accaggcnca acncttntgc tacanggttt 60  
 gtcgcacaac gactcntntg gccgtatttc agaaaacaca nggctccnaa caaattgtgn 120  
 caaanggnaa tgtatgtang gaagaatgca tggnaatngn ttntnttatt ancccancat 180  
 gcntnggtgt nagacacttt ctgnaatgta gngtccatgg cnggaggtat tcacaacacc 240  
 gaccctatgg gnncttccn tgctcctgan ggatgatgac aaactnngaa cagcgggtacc 300  
 gatgatattc ctgntnggga ccnanaattc ctgaaagttg accaagggaa cactttnttg 360  
 aacttatnct ggctgcnaac tacttaaaca tcaaaggttt gcttgatgtc acatgcagga 420  
 ctggggccaa tatnattaag ggggaaaact cctggaggag attcgnaaaa cctttcntgt 480  
 cnaaaatgga ntttactgga agaggngag gccaggtnc gcnaagagna accnangng 540  
 nggaanagaa ggggaactgct tgggcctgtc cctgtgaac antagaaggg gttgttccca 600  
 aatgc 606

<210> 34  
 <211> 598  
 <212> DNA  
 <213> Mus musculus  
 <220>  
 <221> misc\_feature  
 <222> (1)...(598)  
 <223> n = A,T,C or G

<400> 34  
 actgaggtgt tacagtatct gaacagatgg ctgggaacga attctggggt tcagcaatgc 60  
 cacattccag tcagagaagg agactgggga tcggaattac gccatcggtt attacctcaa 120  
 ggagaagaag tgcttcctta aggtgtgga catgatggct gcccttgatc tctatttcca 180  
 gctgngctct gnggaggtta cctgtgagtc aggcanngtc atggcggtcc cctctggccaa 240  
 tggcggtatc tgccctatca caggggagag cngctgagc gccnaggccg tgcgcaacac 300  
 cctcagctc atgcattcct gtggcatgta tgacttctcg ggccagantg ccttccatgt 360  
 gggcctgcca gccaaagacc tgtgtcagga gccatcctcc tgggtgtacc caangtcatg 420  
 gncatgatgt gtctgtcgcc gccgttagac aagctgggga acagncaaag gggcatcaac 480  
 ttctgccaga aggtgnaggn ctctctttaa cttccacann tatgacnacc tgcgggactg 540  
 cggctnggga anttagaccc ncggagggga agganaaana ggtttcggaa caagaccc 598

<210> 35  
 <211> 598  
 <212> DNA  
 <213> Mus musculus  
 <220>  
 <221> misc\_feature  
 <222> (1)...(598)  
 <223> n = A,T,C or G

<400> 35  
 tgagccgtgg cgctaggatg ggtaacaagn gctctccgtg ctcatgtgga aacagcgcag 60  
 gaanactggn gtctttcagc ttaaagaccg tgggtctgacc gagttcccct cagagttgca 120

```

gaagctgaca ngcaatctta ggaccatcga tttatccnnc aacaagatcg acagcctacc 180
gcctctgata ataggaaagt tcaactctgt aangagcctc tncctcanca ncaacaaact 240
gactgttcta cctgangaat tatgcaatct gaaanancta gagacactaa gtctcaacaa 300
caatcacctg agagagctac catctacctt tgggcagttg tcagccctga agacgctgag 360
cctctctggg antcagctgg gagcattacc cccccagctt tgttgctga gacatctaga 420
tgtagtgan ctctctaaaa accagantcg gagtatacct gacacagttg gggagctgca 480
ggccatcgaa ctcaatctca accagaacca gatctctcag ctctctgtga agatatacctg 540
ctgtcctcgc ctcanggtcc tccggctgga agaganctgc cttgagctca gcatgctt 598

```

```

<210> 36
<211> 598
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(598)
<223> n = A,T,C or G

```

```

<400> 36
accgtctctt cctgtattgc gccttcctta acttcagctc acacatggac accaggtggc 60
gctgtcgtcc atcagttacg ttggctgctc tctgtcagtt ctctgcctgg ctgccaccct 120
ggtcaccttc gcagtactgt cttctgtcag caccattcgg aaccagcgtt accacantcc 180
acgccaaact gtccttcgct gtccctggtag cccaggtctt gctgctgac agcttcagca 240
tgagagcctgg cacgggtccg tgccaggtgc tggctgtcct cctacattac ttcttcctga 300
ccgcctttgc ttggatgctg gtggagggac tacatctcta cagcatntgt gataaaggctc 360
ttcggctcag aggacagcaa gcacctctac tactatggga taggctgggg gtgccctctc 420
ctcatctgca tcatctccat atcatcctct atggacagct atgggacaag tgacagctgc 480
tggctggctc tggggagtgg cgctatttgg gcctttgtgg gcccggctct gttggtcatt 540
ggaggtcaac attgttatcc tgggtgctgt gacgaggtgc atctcccaca tcagcacg 598

```

```

<210> 37
<211> 596
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(596)
<223> n = A,T,C or G

```

```

<400> 37
tgagagatgc cctgtattaa gctaatatgg aacaccagca acgagcccag gaccgcgtga 60
ccacctgacc ggtgatcccc tggcccttga gttcggcaag cctaccatgg acctggccag 120
ccccgagaca gcacctgccg cacctgctac actgcccagc ttcagcacct tcatggacgg 180
gtacaccgga gagtttgaca ccttcctcta ccagctgccg gggacgaccc agccgtgctc 240
ctcagcttgt tcctctgcct ccnaagngct nngattanan gentgcgecn annntnctta 300
tnannagnaa cttcaagttg gangacttaa aggtgtacgg ctgctaccgg ggcacctga 360
gcggcccat agatgagacc ctatcctcca gcggctctga gtactatggn agtccctgct 420
cagncctctc gccatntaca cccaacttnc agnctgncca gctttntccc tgggacgggt 480
tatttggcnn ntntntcccc agccaaactt atggaanggc ctnttgggca ttggacagaa 540
nagttgccnt aaangctttt ttttaaggngc ttngggccac cttacaaaac ctttgt 596

```

```

<210> 38
<211> 596
<212> DNA

```

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(596)

<223> n = A,T,C or G

<400> 38

```
tgaggatatg aggaagantg gagacgattc gatgtccagc acccaagcct ctaactcaga 60
ggaggatctc cctgaagatt acccgtgggt caaaaacatg cttcacaggc tgacagctga 120
cctgacgctc gaccctcgca cagcacaccg tgatctgctc atctcctctg actaccgcgg 180
cgtgagtctg gctccacccg gaacgcctgc gccgctggac agccccgcgc gcttcgatca 240
gctcccggcg gtgctgggtg cgcagggcct cgcgtcaggc cgccactgct gggaggtgga 300
gaccgcggaa ggcgcgtcct tcagagactc tacagctcag gatgagaacg cgggagagag 360
ctgctacgcc gtgggcgctg ccggggagtc cgtgaccgcg aagggcctca tcaagctgtg 420
cccacgagag gctatatggg ccgtggaggg ccgcggcgcc cgcttggtgg cgctcacggc 480
tccagagccc accctgctag gtgggtgccg gccccgcgcg cagcgcattn gcgtggactt 540
ggactgggag cgggggtcgt gtggccttct atgacggccg ctcatttgga cttgct 596
```

<210> 39

<211> 592

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(592)

<223> n = A,T,C or G

<400> 39

```
acctgagggg ggaaagataa cagaccngtn tgaaacccgt anacgtgggg gcgctatcga 60
agtgggttgg gaagataccc ccggacgtct tacaagacat ggccgtgatt gcacccatgc 120
tcgccaagct tggatatgac tccatacgcc aatcctccta actacggaaa acctgacccc 180
aaganccttg aaaacaccag gagggctctat aanggagaat ttcagctccc tgactttctg 240
aaagaaaaac ccagacgga gcaagtggag taactgagcc cgtaacttcc cacagggacg 300
actgctgcct tgtctacaga agggaaatct cgggaacggc tgtctgctgc gacaaggagt 360
gtctgtgccc atcgctcctg ttcacctgcc agcctcctgt cccagggggg ggtgtcacac 420
accggggcct cccaagtga tggctcttga gccaggaac atgcatggcc ctnaggatga 480
ggagcccagc agggacacag ttctgtcaca gctcctcttg tccttgcttt tccttcccag 540
gtgccagtct ttaatttcaa ggaaaggaga gtttgaagtt ggcatctctg ta 592
```

<210> 40

<211> 589

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(589)

<223> n = A,T,C or G

<400> 40

```
tagcatttga tgagctgaag accgactaca agaaccctat agaccagtgc aataccctga 60
accctcttgt ccttccagag tacctcatcc acgcgttctt ctgtgtcatg tttctctgtg 120
cggcagagtg gctgaccctg ggctcaata tgcccccttt ggcataccat atttggaggt 180
atatgagtag accagtgatg agcggccctg gcctctatga cccgacgacc atcatgaatg 240
```



```

cagacattct agcctactgt cagaaggaag gatggtgcaa actcgctttt taccttctag 300
cgttttttta ctacctatac ggcatgatct atgttctggt gagctcttan aacaacacag 360
aanaatcggg ccagttaagt gcatgcaaaa cgccaccaat gaagggattc tatccagcaa 420
ggtcctgttt ccaagagtag cctatggaat ctgatcagtt actttaaaaa atgacttctt 480
atTTTTTaaa tgtttccaca ttttttgctt gtggaaagac tgttttcata tgttctactt 540
ggataaagaa tttaaatgga attacgtnta aattaatata aaatgatta 589

```

```

<210> 41
<211> 581
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(581)
<223> n = A,T,C or G

```

```

<400> 41
ctggacccag aaaagcttgg cgtatcttgt gaagtcacg atgctgcggt caattgtgcc 60
ttgggaatgn ggatacagtt tgcaagtctg tgatcaaaac cgggtgcgact gttgatgcag 120
ccacgtaggg tcccttaaca ggcggctttg cctctgagat cagctccacg gtccaggaag 180
aatgtttctt gaacctagag gctccaatat ctcgagtttg cggatatgac acccgtttn 240
ctcacatctt tgagcccttt tatatcccag cacaaatgga agtgctacna tgcccttcnn 300
aagatgatca actattgacg acagagaaaa ccaggaagat catgaccaga catggaaata 360
tttttctgaa acctttttat atttccttat actnctttct tcttacatat agagntatgc 420
nacnancgtg catggatatt ggctgangag ctgcnaatta cttatcatgt tantataaat 480
ggattgagng cncaggaagg aatgctttaa ggagtgcgtg ggcggaaatc ttaagactgt 540
ttcangacta taantaccgg gnggggggtg gattcaataa a 581

```

```

<210> 42
<211> 580
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(580)
<223> n = A,T,C or G

```

```

<400> 42
ccatccggtg ctgggccgga acctctngtt nanagagacc cggcctggga gtgggcagcc 60
tgtccgcttc tctgtgctgc tgctgcatgg tatccgcttn tcctcggaga cctggcagaa 120
cctgggtact ctgcaaaggc tggctgaggc tggctacagg gctgnngnca ttgatctgcc 180
aggncctggg cgatccaagg aagcancagc ccctgcccct attggggaac cggcccctgn 240
cagcttccta gctgctgtgg nggatacctt ggagctggga cccccagttg tgatcagtc 300
atcattaant ggcattgatt cactgccctt cctcgtggcc cccgggtccc aactccgggg 360
ctttgtacca gtggctccta tctgcacaga caaaatcaat gctgtggact acgccagtgt 420
gaagactcca gctctcattg tatatggaga ccaggacccc atgggctcct ccagctttca 480
acacctgaag cagctgcca accacagagt gctggtcatg gaaggggcag ggcattccctg 540
ttacttggac aagcctgatg agtggcataa ggggctgctg 580

```

```

<210> 43
<211> 580
<212> DNA
<213> Mus musculus

```

<220>  
 <221> misc\_feature  
 <222> (1)...(580)  
 <223> n = A,T,C or G

<400> 43  
 tgagggtgagt gcagggatccg catccggatg tgggtggtcct tgatccttct ttcttgcctg 60  
 ctggcactga ccagtgccca tgacaagcct tccttccacc cgctgtcggg tgacctgatt 120  
 aactatatca acaaacagaa tacaacatgg caggctggac gcaacttcta caatgttgac 180  
 ataagctatc tgaagaagct gtgtggcact gtcctgggtg gacccaaact gccaggaagg 240  
 gttgcgttcg gtgaggacat agatctacct gaaacctttg atgcacggga acaatgggtcc 300  
 aactgcccga ccattggaca gattagagac cagggtcctt gcggctcttg ttgggcattt 360  
 ggggcagtg aagccatttc tgaccgaacc tgcattcaca ccaatggccg agtcaacgtg 420  
 gaggtgtctg ctgaagacct gcttacttgc tgtggtatcc agngngggga cggctgtaat 480  
 ggnggctatc cctctggagc atggagcttc tggacaaaaa aaagggtctg gttcaggggg 540  
 agtctacaat ttntnatggn ggntgggttac cataaaccaa 580

<210> 44  
 <211> 579  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(579)  
 <223> n = A,T,C or G

<400> 44  
 tgaggaactg gtgtccttac cgaagtccg ctggtncctt tgtagctgct tgcaaaacag 60  
 agaaattcct ggtccattca cagcagccat gtccacaggg agcccctgac tgccagggag 120  
 tcagagtcac gtatcgagtg gcccagaagc cagtgtacca ggtccagcag aagggtgctga 180  
 tctctgtgga ctggcggtgc tgcccagggt tccagggacc agactgccag gaccacaana 240  
 tcccagctta cmtnttttnn gctcaanctc cntccaaant gntgggnantn cggnannatg 300  
 gatactggtc catnctcagg cacttttagaa gggccaagtn accctaaaat tgcctctaga 360  
 attttggtcg ggggagaact tgcataattg ttactaaggg aacaataata tttaatagac 420  
 tgatttattt attgttacca cnaacantga acacttgcag catcaagaga accacacctt 480  
 aaattgagta cactatgttt ttaattcaaa tggatatact tggatttatg atgcaactct 540  
 gaactgtaca agaaataaan tttagaacca tttaaatat 579

<210> 45  
 <211> 577  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(577)  
 <223> n = A,T,C or G

<400> 45  
 attttttgag attgcccaag ttttgaagta cttoctcaga agatgggtacc acccgagacc 60  
 cgcaggagtc cttcagtcac cagtgtctac ctgtggaggc ccagcccgag cgagagtcac 120  
 agaattctct ggaagaaaat gcccttctct ctctccagggt ttcttncgtt cccctgaagg 180  
 acagatcagg agctgacaga ttcactctct tnagatgggt tnccataagt tgggtgaaaac 240  
 tgaagatgtg gctgatgtac ctgtgtcctt catnctggag gaatgggtgca catttgnacc 300  
 agaaccaga agtctactng angggggacag caggaaagga ggatgagtga gagnaccaca 360

```

tcctgtnggn natcactntn nannttttnan tggnttgncn cttgggttcnt gaaaccaggg 420
gtggagtncg acnncactgn ngccaantg tttctgnctc ccgaangnng gaattnaggg 480
gagggngcnn tcnctcctgg cnagggacna nnttnaatna tgngtgggaa ncnccctnct 540
ggnnaaggan naatcntnnn ctgggagggc agcaaac 577

```

```

<210> 46
<211> 574
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(574)
<223> n = A,T,C or G

```

```

<400> 46
ccaactacta cgcacactgg naacgtcgtg gtccatgact ggctgtacag ctatgtgtat 60
caagatgggc tgtggctctt aggcaggcgg gctcgcgggg tggccatgct gggagtgttc 120
ctgggtgtctg cggnggttca tgagtatatc ttctgcttcg tcctgggggtt cttctacccg 180
gtcatgctga tgctattcct tgttttcggg gggctgctga atttcacat gaacgacagg 240
cacacaggtc cagcctggaa catcctgatg tggacctttc tcttcatggg ccagggcatc 300
caggtcagcc tatactgcca ggagtgggat gctcgtcgac actgtcccct gcccacnaca 360
acattctggg ggatggngac acccgcctct tggctcctgcc atccctanaa gtcaaggctt 420
catgctacac aaangaacag natcaaagct ntttttttgc cttgcaaaaag ccaaaaacna 480
gggttccnc actacctnat ttgggangca gggactttgc naaaaagaac ccttcagggg 540
ggccatgggg gactaaggac cccccctttt gggg 574

```

```

<210> 47
<211> 569
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(569)
<223> n = A,T,C or G

```

```

<400> 47
attctgttca gcgagccttt tagccccagc cccacagaag tttncattta aaaaattatc 60
tgtcaaacca ggaagtggga ggcccaggcc tttaatccca gcactaaggc aagcagtagg 120
cagaaggttc tcggaagtca cctttgtgtg actgtatggc ctcaagatgg cagtcacctt 180
cattggaaac agcacagcca tccaggagct gttcaagcgc atctctgagc agtttacggc 240
tatgttccgc cggaaggctt tcctccactg gtacacgggt gagggcatgg acgagatgga 300
gttcaccgaa gctgagagca acatgaacga cctcgtctct gagtaccagc agtaccagga 360
tgccaccgcg gaagagggaag aggatttcgg agaggaggca gaagaggagg cctaaggcag 420
agagccctgc atcagctcag gctgcttaga tccctcagct ttctccaact gccctttgtc 480
ctccagnttc tttctgctgc ctntgtcttg tatttgtttt gntctgtttt cttattgggg 540
nnaaatggtg cctggcacat ggcaggcac 569

```

```

<210> 48
<211> 568
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature

```

<222> (1)...(568)  
 <223> n = A,T,C or G

<400> 48  
 tgaggcatgt ggcgacccca gggctaaacc ctccctacctt attgacaaaa acctgggaat 60  
 ctgctgtgaa attcatagtc agaaaatttc ctgctgtaga aacgcgcaac aacaatcaac 120  
 agctggcaca gctacagaaa gaaaaatcag agattctgaa aaatctggcg ttgtattact 180  
 ttacatttgt agatgttatg gaattttaagg accatgtctg tgacttgctg aatactattg 240  
 acgtttgcca agtcttcttt gatatnactg tgaactttga tttacaaaag aactacttag 300  
 acttgactgt aacctataca acattaatga tactgctgtc ccggattgaa gaacggaagg 360  
 caatcattgg actatacnat tatgcacatg aaatgaccca tggagcaagg gaccnagaat 420  
 atccncgcct tggtcagang attgtggact atnaaaaccc tttaaaaaag anganggaag 480  
 aatttgaccc catagcnagt ctcttttcaga tgcgctaatt tctcttcaga ngggggatcc 540  
 tagacggaac ctttcagcag acccgtgg 568

<210> 49  
 <211> 564  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(564)  
 <223> n = A,T,C or G

<400> 49  
 acctgaggcc tgactacccc gcgggtactt ncaggccagc ntaactttcg gntgccngca 60  
 ctggggctgt caggcgtttc cnggaaggat ccagganccc cttanctaata ccaggcagtg 120  
 acctgggana actcgggnaga ncccgtggca gccctcagca tccagctggg gaacctgatt 180  
 cctgntttcc ggntaggcct tcagatgtgt tttgctgaat atcactttca gaagatccc 240  
 gctaaacttc ttctgtacat tgctgaggat gtcgtacacg actctctcca gtgggaccag 300  
 ggcttcagag ttgcctgaag ttccaggacc aacttgaaga tagagaagca aacaggattc 360  
 cccgagttct gtcctcacat gacccaactg cctctggctc tgggatttgg aggtcttcat 420  
 ggagctgagt ggcagccttc aatacttctc cgtatatgac cattaaaaaa attaccaaca 480  
 ccctatttgg tatatttgat ggaccttact ggagcaggaa aaatttgaat aaacttaaa 540  
 tgagtatcca taggaaaaaa aaaa 564

<210> 50  
 <211> 564  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(564)  
 <223> n = A,T,C or G

<400> 50  
 aaccctttac ctttgctgga gaggttgaag aggaaagtga agctgttaaa gaaagtgaag 60  
 aaactgaacc gaaacgtcaa tgaaagaatt taggtgtcag gtgantgact gttctangat 120  
 tttccaagca nttactggcc taatacagca ctacatgaaa cttcatgaaa tgacccccga 180  
 ggaaattgaa agcatgactg ctgctgtgga tgttggcaaa tttccatgtg atcagttgga 240  
 gtgtaagttg tcttttacaa catacctgag ctatgttgtt catcttgagg tagaccatgg 300  
 aattggaaca aggacaagta aggcagaana agatggcata tacaagtgtg actgtgagg 360  
 ctgngacagg atatatgcca ctcggtctaa tcttcttcga cacattcttt aataaacata 420  
 atgacgagca tanagcccat ctngattcgg ccaaagaaaa ttaactggcc agganaatat 480

atnaagtaan ggtaaaccac gcaaaantca aagtctaaac atcggacaac aaaaacccca 540  
acagatccgg gaaagacggg aatg 564

<210> 51  
<211> 563  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(563)  
<223> n = A,T,C or G

<400> 51  
gagacaaggt aaggttactc ggcaggcagt taaaccaaac agtgtaactt acaggaccaa 60  
atctggcanc atcttgctgc ataagncaac cattancagg gaggctaccc ggttacggag 120  
ccgatggctg acataatttca tggccgtcaa gtccaatggg agcgtctttg ntcgagattc 180  
ctnccagggt caccactag ctgtgttgct cctaacagat ggggacgtgc acatncgana 240  
tgatgggctg agggccacca tctcattgag tgacagngac ctgcttcggc tgggaaggtga 300  
ttcacgaact gtgcggttgc taaggaggtt tcgtcgagcc ctaggacgga tgggtggagcg 360  
gagcctccgc agcgagttag ctgcacttcc tcttaatgng cagcaagaac acgggcagct 420  
gcttgactg ctggcagagt tgcttcgagg acctgtgtgc agctttgata tgcgcaagac 480  
agctgatgac tgagcctctc ttccgctggg gctatgtaca gagtgcaaata gtttatttaa 540  
aataaagtta tatttatccc ttg 563

<210> 52  
<211> 557  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(557)  
<223> n = A,T,C or G

<400> 52  
tgaggatcct gacaggctgt tactgatgta tcccgtgcta aggaccttta ccctctggct 60  
ccactcttcc ctactggga tctatgtctc tggtctttat tccatcgttt ttgtcaactg 120  
tcccaatgag caaattgccga gagacatcgc cagggccatc ctggataaga agatggcttc 180  
gtctgtgaac atcttgccga agacctcttc tctgtacttt tggaaaggag aaatagaaga 240  
aggcattgag gtctcactgc taataaagac aaagacttcc aaggtctccc ggctgtttgc 300  
ctatatgagg ttggcgcatc cttttgaaat cccagaggtc ttcagtattc ccatggacca 360  
aggagatgct cgctttttac gatggcttga ggagggaatg aaggagaact aaggagagag 420  
aaccttattg tgcaggcttc tgctcttagc ctttggttgac tgtgttctgg gaaaaagcag 480  
gctctcttct gctctccatt gaatgttctt aacagcagac aggntctagc tgacctgngc 540  
atgctgaatg aagggtc 557

<210> 53  
<211> 554  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(554)  
<223> n = A,T,C or G

```

<400> 53
agttctgctc caactcaacc gngctgctgt aaggcacagn angcagctgc ccttggtggg 60
ggtcctcctg gtcctcctcc caacatggac cagtaacagg cggttacagc agtaccagg 120
cacaagtgga ggaggtggtg gacatcatgc gtgtgaatgt ggacaaggnc ttggagaggg 180
accagtaagt tgnacagagc ggatgaccgg gctgtcgcct tgctggccgg agcatcaca 240
tttgagagca gtgctgcca gctaaaaagg aagtactggt ggaaaaactg caagatgatg 300
atcatgctgg gagctatctg tgccatcatc gtggtagtga ttgtaagaat gaanatatcc 360
tttggctaca gaaatgactg caaaaatggt caccacaagaa actggaattt cccaggaat 420
ctcatgctgg gagaaagaaa angccgaagc ctgtgccagc caggaggacc ctgtgtctcg 480
gtgntgttta cattttgnan accatgctgg tncctaaact ctgngntcca cctgnctttg 540
ccacctgaat gctt
554

```

```

<210> 54
<211> 550
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(550)
<223> n = A,T,C or G

```

```

<400> 54
cgtttatggc aatgttgcca ggtacttttg aaagtaagna nagaagcaag nacgggcaca 60
ctcaccagtg gnactgtgta cgtgaagccc tacagaaacg aggnngtntt cgcttttgcc 120
cgngaangag tgttttgtag gtgcnnnctg tnnnnctgac atnctacttg nagttgtgtc 180
nagnantctt cttctagaat gacgngggcc cgttgtngac tcncaccant acatcccatc 240
agatatcttt tcattgaccc ccanganann cctgtgactc tgnaccactt actgaagctc 300
ttccagtctg acaccaatgc catgctgggg aagaaaacag tggtttcaga gttctatgac 360
gaaatgatat ttcaagaccc aacggcaatg atgcagcagc tgcttacgac gtctcgccag 420
ctgacattgg gagcctataa gcacgaaaca gagtttgtag aacttgnggt gaaaaccagn 480
gaaagttaga agctgccaa gaaanaacaa gctttgngat tgcgggagct taagggggag 540
attaaagca
550

```

```

<210> 55
<211> 548
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(548)
<223> n = A,T,C or G

```

```

<400> 55
acagcgagca gcactaaggc tttcgtggga ggcacaaaac aagnattact gtgccatttc 60
ttgagcaatg tccaatcagg aggtttatac aaggagagaa tgactgagct gtacgactac 120
cccaagtaca gctgccactt caagaaagga aagcggtagt tttattttta caatacagg 180
ttgcagaacc aacgcgtggt atatgtgcaa gactccttag agggggaggc cagagtgttc 240
ctggacccca acacactgtc ggatgatggt acagtggcac tccgagggtta tgccttcagt 300
gaagatggcg aatactttgc ctatggtctg agcgccagcg gcttccgact ggggtgacga 360
tcaanttcac gaaaggctga tggngccaaa gagctncccg gatgtgctgg agannagnna 420
agttcacctg cntgggcctg gnnncntgac gggaagggga tgttttttan nttttacccc 480
cannaggacg ggaanangga ngggnccaaa anctccccc nntntccccc aaaggttttg 540
tttccacg
548

```



```

ctgccntggg acagcactca natgcttctg nacgaactac ggcancatga nnaccccagg 120
aantttgatg ntctggaata gcntggtnca ggncttgta gncagtgtaa ggcacacttc 180
ttgctctctg cggtagntct gagntgggan gancctgcct atagcctggn tctggccagg 240
ctggcactac nctnctngnt ncagccccac ctaaccangg ttgggtnttg ggacgggttg 300
agcngggccc tggaggggctt cccganagac agcccaggtn agaaggaggc tacttanacc 360
tacgacgctt aattcccctc ccctggntct tcttcattnt gagctgagng ggctgcccct 420
gcctggctcc tgagggttcc ctancaaagg tgggggcnaa aaggantcat tatcttttga 480
ntatctgcat ttaaaactgc tccaggggct ggagagggct tgatgctttt ccagaggacc 540
caag 544

```

```

<210> 59
<211> 541
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(541)
<223> n = A,T,C or G

```

```

<400> 59
tgagtgtaaa tgagcaagat ggacctggaa ggtggggggag acgggcagaa agccccgagc 60
ttccagtggc ggaactacaa gctcatagtg gatcctgctt tggaccctgc tttgcgcagg 120
ccttcccaga aggtgtaccg ctatgacgga gtccacttca gtgtcagtga ctcaaagtat 180
acccccgtgg aagacctcca ggacccccgc tgtcatgtca ggtccaaagc cagagacttt 240
tccctcccgg ttcctaagtt taagctggat tgtacatant gttaatagng aaaccnaaca 300
ccacatTTTT atanttggga ttaaaacttta ttgtacggaa accttantna agganangnn 360
ccaaaaaata tgganaggng naagaagngg agatccttct tcatccccgc actcgaaagc 420
acctagggct ggcccgtgtg ctcttnacca gcactcgggg cgccaaggaa actgtnaaaa 480
acctccacct nacctntgtc atgggcaaca tcattcatgc ccagcttgat atcaaaggcc 540
a 541

```

```

<210> 60
<211> 531
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(531)
<223> n = A,T,C or G

```

```

<400> 60
aggttgtcat aatacagnac ttggnaaact ctgcaagcac ttagcagtca gcatttcgag 60
cagcggaagc gagggcatgc tgtgagtttc caatgagctg tcacaatgtc agaatgcagt 120
tcagacagca gcagcacagc gctcgagac attaaaacgt aagctgtgct agaacaaaat 180
gcaatgaaag aaacactgga tgattgaaaa gccctgcttt gcagcccctc agcatggcag 240
gcctgcagct catgaccctt gcttcctcac caatgggtcc tttcttttga ctgccatggc 300
aacaagaagc aattcatgat aacatttata cgccaagaaa ataccagggt gagctgctgg 360
aagcagctct ggaccataac acaattgtgt gcttgaacac tggctcaggg aagacgttca 420
tcgcggtcct gctcaccaaa gagctggccc atcagatcag gggcgacctc aaccgcgatg 480
caaaaaggac cgtgttcttc gnaaactctg naaaccagggt tgctcaacaa g 531

```

```

<210> 61
<211> 530
<212> DNA

```



<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(530)

<223> n = A,T,C or G

<400> 61

```
gtacctgcgg ttctctgnnt tctgcagttc ggcaactggna aaccattcac cgtaatgtct 60
taggaaaaca gttggagcaa ctgcagcccc taacaggaag cccttggaag gctgcacctt 120
ggctcatcgt tgcctagtgc gtcacaggag cccttggtt caagcgctc ccatgtgaag 180
tgtgtgtgct acggtcttgg gacctttgcc tcctgcccc ctgctcggtat ccagcttget 240
tttatgcttc tctttctaga gaagtgccag gtccccagaa gtcactgctg ggtctatgac 300
cctctgttca gtcagactga ggtttccgtt ctcacctccc tcggcgtgac tgcctcag 360
gagaatgagg aaggcangcg cnntgcncnn ngncagnnna ctgtgttata catgncncnn 420
tgtggggacan ctgtntacaa caacctgctg tggagnaact ggtctgcnga cncctgngn 480
aggngctca tcntaggga cagttnacga ggccttgagg aaaggttgtt 530
```

<210> 62

<211> 526

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(526)

<223> n = A,T,C or G

<400> 62

```
cactgacaaa ctggccttcg atgttggcct tcaagaggat accacagggg aggcttgctg 60
gtggaccata catectgcct ctaagcagag atcagaagga gaaaaagtgc gtgttggaga 120
tgatctcatc ttggtcagcg tgcctcaga aaggtaactg cacttgatcat atggcaacag 180
cagctggcat gtggatgctg cctccagca gacctctgg agcgtggccc ctatcagctc 240
aggaagtga gacgccaag gctatctcat tggcggatg gttctccggc tgctgcatgg 300
gcacatggat gaatgtctca ctgtcccttc aggagagcat ggtgaagaac agcggagaac 360
agttcattat gaaggtggng ccgtatcagt tcatgccgcg tccctctgga gactanagac 420
cctaagagtc gctgtggagt gaagccacat aagatggggc cagccattcc gactccggca 480
tgtcacgacn tggaaaatac ttangcctca tggaaagaaa gaacaa 526
```

<210> 63

<211> 515

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(515)

<223> n = A,T,C or G

<400> 63

```
gtgacttatt actatnncag cagaacctgc ctccccagca gattgccagc acctatgaca 60
tcatcccctt cttcgtctca ttctgtggtc tcctaaatgc tcatctcgtt ggcttgggtt 120
cagtttggtg tatggagggg tgctgcttag cactgacctg agagtgtgtg tgaaaccac 180
tgaccaaatg gacatcaaag gccagtcttg gaatgatgat gattcagaag gagataatga 240
atcagaggaa tttctgtatg gagtccaggg gagctgtgca gctgacctgt atagacaccc 300
acagcttgat gcagacattg aagcagtga agagatctac agtgagaact ccgtgtccat 360
```

cagagaatat ggaactatcg atgacgtgga ccttgacctc cacatcaaca tcagcttctc 420  
 cgatgaggaa gtatctacag cttggaaggt ccttcgaaca gaacctattg tgttgaggct 480  
 acggttttct ctctctcagt accttgatgg accag 515

<210> 64  
 <211> 515  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(515)  
 <223> n = A,T,C or G

<400> 64  
 gattcggggc ttgctccttg ttggnaatgt angaacttgg angtacacgt cctctggggtc 60  
 ttccgggtccc tgggaagnaaa ttagtgctgg gcnggtctac ntaagtgcc ntcagcaact 120  
 ttgttaccac cactctctga actggaccag gacttctgctg gggggccgca gaggagagac 180  
 ttgacatcaa gtacaaccgg cctctggggag aatgcgtggc agaggggcaaa gtgtgtgatc 240  
 cactgtgctc ctctggggga tgctggggcc caggccctgg ncagngcttg tcttgtcgaa 300  
 actacagccg ngaaggtgtc tgtgtgactc actgcaacgt tctgcanggg gaacccccgan 360  
 agtttgggtca tgaggctcat tgcttctcct gccatccaga atgccagccc atggagggga 420  
 ccagcacgtg caatggctcn ggctncgacg cttgtgctcg atgcgcccac ttttcgggga 480  
 ngggggccac tgtgnggaac agttgcccc atggg 515

<210> 65  
 <211> 512  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(512)  
 <223> n = A,T,C or G

<400> 65  
 acattcagga cctggngaaa atccaccntn attaaacgag actcagtnen tnnncaacct 60  
 ggtantgagg gatcnnncngn cnctttcatt tcnaaangnt gngcacggaa acaaatacta 120  
 atgaacgcat ctctntgctg cggggtngtg gaaaantgan gaaggggagg tatnaaggnn 180  
 aaaatntaac ttgggggaca cgcctggcct tggggactnt gtggantggc caaactgctg 240  
 gctgcctgng gttcgtctta ttgaggagca ntttgagcaa tacctcaggg atgagagggg 300  
 cttgaacagg aagaacatcc agggattcca ggagtccatt gntgcctcta cttcatataa 360  
 ccctttggcc gagggctccg gcccttagat gnggctttnc tccggggcag tgcncgagaa 420  
 agtnantatn atnccgggca ttggnaaanc aaaacgcctt tgatgcctag gggagactna 480  
 ggcccttcaa gcagaaaaac cggggaccag tt 512

<210> 66  
 <211> 507  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(507)  
 <223> n = A,T,C or G

```
<400> 66
aggacccatg gcgcactcag tgntncagat gcnagggtcaa gagacccttt cagaaanattg 60
acttcttatt tataaactgc acttattgca accacaggggt acccgactnt tttctggtat 120
gtccaatatt ctggagaagg tccacagctc cttctgcaag tcacaactgc caacaacaag 180
ggaagcagca gaggttttga agctacatat gataaaggaa ccacttcctt ccacttgcat 240
aaaacctcag tgcaagagat agattcggct gtgtactact gtgctatgag agacacagt 300
gcagaaactg caggggcagc tgagcataaa gtctgagaag caaaagaaaag cctgactttt 360
gataattttc cttttgaatc atcctgtttg catgcagtct gtgttggtga ccaacatttc 420
tctagttgat gaaagtcaaa caaatgggtca gagcagaata caaaatagat gatactacaa 480
ctgtattttt gtacaggaaa ttagacg 507
```

```
<210> 67
<211> 498
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> (1)...(498)
<223> n = A,T,C or G
```

```
<400> 67
accacactt tctcaangaa tgggtggcngt ctggcatgca cctgctgatc nnnnccacan 60
ccatctggaa gagctctgtc caccttcttt ctgnaccaac ggggntnant gctatgngna 120
ggcctnaggc cgcccacagn gctcctgcga ncctgggtgg acaggntgag caatgccagc 180
tcnganactt ctgnttancc naccctnng ccaacggagg cgtgtgcctg ggcacatacc 240
cacanacca gtgcnggtgt ccacctgggt tcnaggggtca cacctgtgaa cgcnacatna 300
acgagtgtt tctggagccg ggacctgcc ctcagggcac ctcctgccat aacaccttgg 360
gttntacca gtgtctctgc cctgtggggc aggaaggnc cagtgccag ctcaggagg 420
gagcctgcc tcntggaagc tgtctcaatg ggggcacctg ccantggnn ccagagggac 480
actccacctt tcctctct 498
```

```
<210> 68
<211> 493
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> (1)...(493)
<223> n = A,T,C or G
```

```
<400> 68
catgccagt tgctgtantc ccnnaatagt attgagcaaa atgggggact ccttcaccat 60
ccagacgtgc agcagcctca gggaactacc ttgtaaaatt caaagttgga gaagagttt 120
aggaggataa caaaggcctg gataacagaa aatgcacgag cctgggtacc tgggagaatg 180
acaaactcac ttgcgtacag agaggagaga agaaaaacag aggtgtgagc cactggatcg 240
aaggggacca gctccacctg gaaatgttct gcgaaggcca ggtgtgcaag caaaccttcc 300
agagagcctg atacatctcc agcaacagag cccgcttgag gcaactactc aatgccaaat 360
tatctcgtag aaggaacggg tgtttgtctg ttttgggttg atgaagggtc ttgtcattgg 420
aaagatgtca cacagcctgt atganaaact gtttgatttc aggacagttt cagctccaat 480
aaacctgctc aag 493
```

```
<210> 69
<211> 491
<212> DNA
```

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(491)

<223> n = A,T,C or G

<400> 69

```
catgcctggc cagggntctt gttccccccc aaggaaaactg gtgaaggagg agganaatct 60
tcaggatccc ttcacagtgc tgcagggtga gggagtggaa ttcctgggcc gggcaaccga 120
tgccctcatt gccatctcta actaccggct gcacatcaag ttcaaagact ctgtcatcaa 180
cgtgcccctc cggatgattg acagtgtgga aagccgtgat atgtttcagt tgcacattgc 240
ctgcaaggac tccaaagtgg tgagggtgagc acagcgggtc tcgttcattg nctctgaccc 300
tcgccttgtg canacagaca gacctctctg ttgcacgcta cccttggagt aagaggatcg 360
actccacttt ctgttcccca ctggaggaaa aggggacaac tcacttcccc gttcttagtc 420
agaaggtaaa ttggctaacc cattctgtct tgacttgaaa taaaatgggg atggagccgt 480
aaaaaaaaaa a 491
```

<210> 70

<211> 491

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(491)

<223> n = A,T,C or G

<400> 70

```
ggcaataagg ccttgcncctg ctgggaaaca ttgatgatgc cttacagtgc tactctgngg 60
caattaaact agatccccag aaccatgtgc tctacagcaa tcgctctgca gcctacgcca 120
aggaaaggag actaccagga aggcctatga ggacggctgc aagactgttg acctgaagcc 180
tgactggggc aagggttatt caagaaaagc agcagccctt gaattcctaa accggtttga 240
ggaagccaaa cgaacctatg aagaagggtt aaaacatgaa gccataatc tccagcttaa 300
ggagggcttg cagaacatgg aggccagggtt ggcagagagg aaattcatga atccattcaa 360
cttgcctaata ctataccaaa agttggaaaa cgaccccagg acaaggtcgc tgctcagtga 420
ccccacctac agggagctca tagaacagct gcagaacaag ccgtcagacc tgggcacgaa 480
actacaggat c 491
```

<210> 71

<211> 475

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(475)

<223> n = A,T,C or G

<400> 71

```
tctggggaaa gcaaggactc aggtctcccct acccacaggt cagcttctag gaaaaatgct 60
aggggccgaga gcctggagca caccgagaag ccggaacctg cggncgtcgc ctctgtctcc 120
ggaaagggga agaaaggcaa ggnaaaangt gcnacggctc ctgtctgcct cagcctncag 180
aagngggagc ccnnaaanat cagggtggnc cacattttca acangtcaca cacagcctga 240
ggcctgnnct aataccacat tccccgaata ccccatcctt nccaaggcca ttgctacctg 300
ctctncaagc cctctccaca aggccattgc tacctgtctt ccaagcccct ccataaggc 360
```

cattgctacc tgctctccaa gctcctccca agtgncctgga cttaccctcc tgtcagaaga 420  
cagtgaagtga tagcaagcat cagactgctc accaagtgtt tttaaatata caagc 475

<210> 72  
<211> 475  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(475)  
<223> n = A,T,C or G

<400> 72  
aatacggatg gacccacacn ataactgcat gcctgatgga catantnaat gccaaaggncc 60  
atgcactcat taactggtag cctttncagc cntccttcta acatcagggn tagtaatatg 120  
atttcactat aattcagtna cnmtattaac cctnggncta ctgaccaata tcctcacaat 180  
atatnaatgn ngacgagacn taattcgtga nggaacctac caaggccacc acactnctat 240  
tgtacaaaaa ggactacgat atgggataat tcnattcatc gnctcgggaag tatttttntt 300  
tgcaggattn ttctgagcgt tctattattn tagcctngna ccaacacatg atactangag 360  
gctgcngacc tncaacnnga atttnaccac ttaaccctct anaagnccca ctacttanta 420  
cttnagtact nctagnatca cngtggtttg aatttcntng agctcatcat ttggc 475

<210> 73  
<211> 472  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(472)  
<223> n = A,T,C or G

<400> 73  
catattcgag cacctgctgg ccctgttggn gtncnecgta ctgnnggcac tgcnagtgga 60  
tggtctgact ccggtgcctc tcttggtggn aacgtctttg tgcccttttt ngccgncnac 120  
gggctcagta cctacttcac caccatcggt nncgttcgac tcttncaaga tggggagaag 180  
cgactggctg tgctgcgcct cttctgggtt ctcaccgtcc ttagcctcaa gtttgtcttt 240  
gagatggttc tgtgccagaa gctagtggag cagactcgag agctctgggt cggcctgatc 300  
acgtctccgg tcttnattct cctgcagctg ctcgatgatc ggacttgctg cgtcaactag 360  
cctcttgag tggttggaat tggagcactg cgcagctgga gttctggacc tcccggtcct 420  
gacccaactt ggtgccacac ttggtgganc tttggatcaa aaattagagg gt 472

<210> 74  
<211> 471  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(471)  
<223> n = A,T,C or G

<400> 74  
aagctttctc actatttgac aagggacggg gnatgggtac aataacaaca aaggnagctg 60  
gggacagtga tgaggtccct ggggcagaa cccacagaag cagaactgca ggacatgatc 120

aatgaagtag atgcggtatg taatggcaca attgatttcc ctgaatttct gacaatgatg 180  
gcaagaaaaa tgaaagacac agacagtga gaagagatta gagaagcatt ccgtgtgttt 240  
gataaggatg gcaatggcta tattagtga gcanagcttc gccatgtgat gacaaacctt 300  
ggcgagaagt taacagatga agaggtcgat gagatgatca gggaagcaga cattgacggg 360  
gacggtcagg taaactacga agagtgtgta caaatgatga cagcgaagtg aagacattgn 420  
acagaatgng ttaaatttct tgtacaaaaan ngtttatattg ctttttcttt g 471

<210> 75

<211> 468

<212> DNA

<213> Mus musculus

<400> 75

catgccgtgg ctcaagtcaac atgcccttca tggacttcct gacgaaagat ggcttcgaga 60  
agagcccaga ggagctgctg gccatattcc aggacaagaa ggtggacctc tcacagcccc 120  
tcattgccac gtgccgcaag ggggtcactg cctgtcacgt tgccctggct gcctaccttt 180  
gtggcaaacc cgatgtggct gtttacgatg gctcctggtc agagtgggtc cgcagggcac 240  
ccccagagac ccgtgtgtcc caggggaaga gtgggaaggc ctgagtgtgt gcagcctcct 300  
cctctgcccc cccaatccag ccagttccct tcagggaggt tgggtgtgacc tgctgtaggt 360  
tcacctttta ggctacggat attgacaggg ttttagaatt gctcttggtg cctccctccc 420  
tccctccctc tacattggaa taaagtgcct tttctcagaa aaaaaaaaa 468

<210> 76

<211> 467

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(467)

<223> n = A,T,C or G

<400> 76

agctccatct gggggccggc ntctgtgtgg gcctcagccc tcttgctgct gtggctgctt 60  
ctcctaactg ctggggatca gggacncaca gggacaccac cgccacggga aaaggggctt 120  
cncatgctga actcagggtc aantaccctg ncgngctgcc ctggcngagc tagnggncct 180  
gncctgcttc tttacctgc aancacggct aagctccctg cgagacattc ctcgatnan 240  
gnggactaag gttcagactg catnaggcca gcgacaggat ttgccaatct tgggtggccaa 300  
agacaacgtg gtgcgtgtgg ccaagggctg gcagggacgg gtgtcattgc ctgcttatcc 360  
ccggcacaga gccaatgcta cccttctgct ggggccactt cgagcaagcg actctgggct 420  
gnatcgctgc caagnggnaa agggatatcga agatgagcag gacctgg 467

<210> 77

<211> 462

<212> DNA

<213> Mus musculus

<400> 77

agcacctcca accatctgtg gctcctgtct gatatactag gccagggggc cactgcaaatt 60  
gtcttccgag gaaggcataa gaaaactggt gatctctatg ctgtcaaagt atttaataac 120  
ataagcttcc ttgcgccagt ggatgttcaa atgagagaat ttgaagtgtt aaaaaaactc 180  
aatcacaaaa acattgtcaa gttatttctt attgaagagg agacaacaac aagacataaa 240  
gtgcttatta tggagttttg tccctgtggg agtttataca ctgttctaga ggagccgtcc 300  
aatgcgtatg gacttccaga atcagaattt ctcatgtctt tacgagatgt ggggtatgtt 360  
atgtgatttt atatatgtgt ttgcttatat ggggtcacac gtacgtgtat tatttaaaaga 420  
tacagaatga aaaaaataatt tcctacattc aaaacaaaaa aa 462

<210> 78  
 <211> 453  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(453)  
 <223> n = A,T,C or G

<400> 78  
 cagtttatga tgcttcacac aatctagtga gnaaaactgc agnncnttgn ctttctcaaa 60  
 atgactggta agntagnatg ncagcaacag tatnatTTTT ttcaaaancc agaactttat 120  
 atacgggaga gtgtnaaagg ancgtgtgga caggaaagaa gttngcagca actgtacact 180  
 anctacnagg accctcagga tgaaaanana ntnggaatag atggnataca gcagttctgt 240  
 gatgatctgg ccctcgatcc agccagcatc agtgtgatgn tcattgcntg gaagntcagg 300  
 gcggccacac tgtgcgagtt ctccaaacag gagttcatgg ntggcatgac agagtttagga 360  
 tgtggctgcc tagaaactct aagggcccng nnaccanna tggancanga ntngnnagaa 420  
 ccaggacgat gtaaggattt ttaccagttt act 453

<210> 79  
 <211> 446  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(446)  
 <223> n = A,T,C or G

<400> 79  
 aactcaagac ttgttatcc aacttccctt tggttcacac accagaacgt tcctccagga 60  
 agtggccaga gcctgtccag gtaggtanca tccagagttt cctggaaagg ctgtgttggc 120  
 tgagagcact gctgtactct cttggtagt acagttgact ttccaacccc attgggggtca 180  
 tacaactcag tttccgcacc atctcanggg nggtggcatg gagtcacagt gcctgggctg 240  
 ccagctagct acacgtttgc tttncctttt tgagaangag ggtttcgctc cctattnctg 300  
 anncttnnnc tcagcttccct cccgagggct tggcctncaa cttggggacc aacctggccg 360  
 ncnttggggt ttngnttcgg gtacaaaaac ctgaatgtta actggggctt gggactttga 420  
 ganttcgggg gcttcctcca agttaa 446

<210> 80  
 <211> 443  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(443)  
 <223> n = A,T,C or G

<400> 80  
 caattttgaa ggatcatggn ctttacaggg aaatctgacg tttggatggg atgggccgctc 60  
 ctggaggcta ctacagggtc tcangttgct gtgtctgnaa gccnagcgct ncacatcctg 120  
 gaaaaagggtg ctcttgggcg aagtcatcnc cgatacaaac gagaagacaa gcttgggcgt 180  
 ggcccagaaa atatgctctg acgtcatcga ggagacacac gctgtgctgc gcaagggttc 240  
 tgacatgaag gaagggacag tgtcactgag aagccagctc tccttggtgg aagccttgag 300

```

gatggaagag ctnangattc tccaggcttc tgctgaaatc ctgagtggct tgctagcccc 360
ctttttcctg acctccccggg gtcaccnggg ttccctccta tggaggatgt accngccggc 420
tgcgtnttta ctgaggttgg aaa 443

```

```

<210> 81
<211> 440
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

```

```

<400> 81
tcctgctgct gcctttgctn ttcgccgggt tttatgagct tgtactgncg nttttnattn 60
acagggtgng naactgcnc ttcgagtgan ganthnancn cactncntgt nttaccngt 120
ataatgatta gaatgccttn cctacaaaat ttncaaaact naacaccaa ctgggttctnt 180
ggnatatnaa aaagaacggn atcgaggaaa cagntgctaa gtgcaggang ctgggtgccc 240
aggcccntcc ntttgtggng gactgcancc agcggaaga gatttacagc gctgcaaaaa 300
aggtaangga agaagttgna natgttagca ttntggtaaa tatcgccggn gttgtctaca 360
ctgcanactt atttgctncc caggaccctc anattgaaaa gactttanan ntantgngct 420
tgcccacttt tggaccacct 440

```

```

<210> 82
<211> 433
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

```

```

<400> 82
ctgtcagcgc ttcagtggaa caaaaccatc ttcgcatttt ggggctgcta ggaacttggt 60
tcagaaggct caattggggg atagccgact gagcccagaa tgtggggcat ctggtattga 120
ccacctctg cccggccctc catgctttgg tggtgatgg gctgaagcca ttccggaagg 180
acctcatcac tggacagcgg aggagcagcc cttggagtgt ggtggaggca tctgtgaaac 240
caggttntcg cacacattcg atgggatctc tgtacagcca ggtcanccga ctggcccctc 300
tgagtagcag ccgcagccgc ttccacgcct tcctcctggg cctcctcaac accaaacagn 360
tggaaactgtg gttttccagc ctncaggang atgcaggcct actgtccctc ttgtatctgc 420
ccaccgatt ctt 433

```

```

<210> 83
<211> 430
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(430)
<223> n = A,T,C or G

```

```

<400> 83
gttaatactc ctgatagagc cntaccggaa ctccctnatg atcacntnnt cgntcctttt 60

```



```

ggatccatntc tccgcgctgg aaaacaaaga ggtagaagca tttggcncat ggctcccaac 120
acagacagac acacagagac acatagcnat naaaactcac catggcagaa acagtgaat 180
ctcgggcatg catcttcttg gtgagccagn ccaccttntc tctggngttg ataaagatga 240
ctgcctgggt gatggtcagc gtctcataca agtcacacaa atggggtnaa gcttccactc 300
ctggaagatt cagaaagtca ggggttacac ttcaacaaac tttactacca gggctgcctc 360
ctggactggg ggcctcaacn ncttggtccn cattgatgna naattggggg atncctccag 420
gggcaatttt 430

```

```

<210> 84
<211> 423
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

```

```

<400> 84
tgacactaag tttatccngt gatgcgggct nnnggtgatt taattnttaa ctgttntnct 60
agctatatag tgaaaaagac tnanatcttg ntntgnagaa ccnggantana ntaanattct 120
gnctgtggat aatcccgttt gctttcttcg tgtcactttc ggctggggag aatgtcctgc 180
cctccaccat gcagccaggc gatgacgtgg tctccaatta cttcaccaaa ggcaagcgag 240
gcaagcgctt aggcacctcg gttgtcttct ccttcatcaa agaggccatc ctaccagcnc 300
ggcagaagat atactgaccc tttggggagg gcatgtgggg ggcaagacca agagagccag 360
gccctggga ctctgggcta atcgtgcctg ggagcctggg aaggagnctt ctgccagccc 420
agg 423

```

```

<210> 85
<211> 423
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

```

```

<400> 85
cccccaaca tgaaccagc anaaccatgt ccctttgacc agcctcacc ccagggtctg 60
ctgcagtgcc agtcccaggc aacatgctgt gtccagccct gaacccatgc tttgctcaga 120
tgtgactatg gtagtaggac agctgcctaa ctgagcctgt gggagggttc cccaaggca 180
cctgggtcag ngaagacatg taccctcccc tgatgcctac ccactgaaca ggacctcacc 240
aagctttttc tgggagaacc aaggggaggc aggaggggtn cttaagaaag ccagccccctt 300
cctngaacca ttttccttat ggggaaatca gggnatctan ntgtccnct ggaccnaagg 360
gaccaancc nanctngggg gatccanct gggaaaancc ccaaaaaaaaa aggccttttt 420
ttg 423

```

```

<210> 86
<211> 422
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(422)

```

<223> n = A,T,C or G

<400> 86

```
atggcgtcca tggactggcc tggcacccca cactgngcac aagtcaccca ttctatgatg 60
tggccagaca cngnatnctg caggtggcag anggcttttg gagngggccat actgtgactc 120
antaacttca anatgaggga ttggtngcct tcngctatgg nccncagggtg gnaatggaac 180
ccagtgggcc aggcaagagg acccagtttg gaaaanacgn tgttttctgc tgttgcgccc 240
anaatccctg cagacagggg angngactgt gtgttgggtt agagcacana tctntnnact 300
aagcanaggc ctggccacag tnnctannga gagggagatg aatggatgct gnatctacaa 360
gcagattgtt ctggnatctt aaacactatn cgggctctgg agctccgaag aggaaaaaaa 420
aa
```

<210> 87

<211> 421

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(421)

<223> n = A,T,C or G

<400> 87

```
tcctcttcct acgctgccga acgaagcaac aggcagctct ccaatgnaat accctgcatc 60
ctccctcctt tagtcgctcc aactctcaag cctcagtaga cagcagcgca tccatggtag 120
gagttcctgc gggaaattga gagtatcaaa gagagcagcg tgggggctgc gcaggagcag 180
ccaccactg ctgctgctgc tgctgctgaa gtcaagccag tggatgaagg agagcttgaa 240
gcgagtggtc tacaagatgt gggattgtca actctgatct ctggcaacga agaggaagac 300
ggtaaagcgc tcctgtctac attgactcgg acccaagctg ctgcagtga aaagagatac 360
aacacatata ctcagactct gaggaaaaaa aataaacaac ccgtcaggga tgtcagagac 420
a
```

<210> 88

<211> 420

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(420)

<223> n = A,T,C or G

<400> 88

```
accagtggtc ctgcgcctgc tgnanttagg nattctgcct ggtgggtggg atcctgacat 60
caagggnatg gacaccccg caggaggttc ctggggcctg gcccccaaca atatgaagag 120
cctttgctga ggccatgagg ggttaccatg gcgaccgagg cagccatccc cgcccagccc 180
gctttgctga ccaacagcat atggacgtgg gccagctgc cagggccccg tacctgctgg 240
gctccaggga ggccttctcc accgagcccc gcttntgtgc tccgagagct ggcctgggac 300
acctttctcc agaaggacce ctgagcctga gtgagggtcc atcatcagta ggcctgagg 360
gaggccagg ggggggtggg gctgggggag gcagnannac cttncaccagg atgtacccc 420
```

<210> 89

<211> 414

<212> DNA

<213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(414)  
 <223> n = A,T,C or G

<400> 89  
 gtccagtgcc agctgngggcg gngccgctac ccccaacaagc ctgactgagt gctttgcagg 60  
 ccaggnatgg gaagcaaggc cactactcggn aggcacaggt ccccgagcat ncttctctta 120  
 cagaatcaac tccaccaccc atcctggggc agacctgaag gagaacttnt gncgnaatcc 180  
 anacagcanc accacgggac cctggngcta caccanagan cctactgtgn gcanagagga 240  
 atgcagtgtc nctgtctgtg ntgagctggg gccaggaagc aggtnatggc catggccana 300  
 ggggnacntn agaaggctng tnantattga gtggncatca naatgctggc nncctttnan 360  
 aacaanagga aggagnttca aactgaaggn gcanttaggc caaggacatt tgcg 414

<210> 90  
 <211> 411  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(411)  
 <223> n = A,T,C or G

<400> 90  
 gtgcgagaag gaagccngtg gctgcectcc ctcncatgt gtccttgcca tgatcagggtg 60  
 nctatcagat gacgtcanaa ccaagttgag ttcgggttta gccataagct ccttggggcca 120  
 gtgtgttgaa gaacttaccc ttaacagtat tgatgctgaa gcaacatgtg tggccatcag 180  
 agtgaatatg gaaaccttcc aagttcaagt gatagacaat ggacttggga tggcggggga 240  
 cgatgtagag aaggtgggaa accggtatatt tactagtaaa tgccactcag tgcgggactt 300  
 ggagaacca gcattttatg gcttccgagg agaggccttg gcaagtatag ccgacatggc 360  
 tgggtgctgtg gagatttcat ccaagaaaaa cacaacactg aaaaaaaaaa a 411

<210> 91  
 <211> 410  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(410)  
 <223> n = A,T,C or G

<400> 91  
 gctctatgcc cagggtacta tgtggctggg ctgctccagc ctggcggaca gcatgccttc 60  
 gctgcgatgc ctgtataacc cagggactgg cgcactcaca gctttccaga gngggnnagc 120  
 tgtcgatann ggntccattn tgaagcactc cagnaggact tncangatgg actctangct 180  
 cntgctggtc ttccttagag gtgagcgagg acntgcttca tgctttcagn agangctgta 240  
 gaagaagcga ntggnncttt gtagnaggan ngtgaaagag canaacttgn tgcccaaagn 300  
 ttatgggatn anggtgngat gcttgagagt gtcttgnana gangtggtgt gctatctacg 360  
 ntanggtatt ngaaantntg cgtgttagcg tttaatacct tacatggaat 410

<210> 92  
 <211> 399  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(399)  
 <223> n = A,T,C or G

<400> 92  
 aggcaacatg gtaaggnanc tgcaaaccag ttgcagccac tgagtgagac tcaagtagtt 60  
 aactcagnag ggcggctgtg tatggcaggt caccgacatg aaccggctgc gccgcttctt 120  
 gtgttttggc tctgaagggt gcacgtacta tatcaaagaa cagaagctgg gccttgagaa 180  
 tgctgaagcc ttaattagac tgattgaaga cggcagagga tgtgaagtga tccaggaaat 240  
 caagtccttt agtcagggaag gcaggactgc caaacaagag ccactgctgt ttgcactggc 300  
 cgtttgttcc cagtgtgcgg acataaacac aaagcaagca ncctttaaag nnnaanntga 360  
 agngtgtggc attncgaccc cctcttgact tttatccag 399

<210> 93  
 <211> 398  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(398)  
 <223> n = A,T,C or G

<400> 93  
 gcaacgctgt tgcggtggta cttaaaggag ntcaaagacc ctttgatgca ggagccccc 60  
 ggtgtggttc aagnccttcc tgctctgnga gcttgtgttc cagctgcctt tctttcccat 120  
 tgccgcatat gcccttctca aaggaagctg ccggtggatc cgaatccctg caatcatcta 180  
 tgcagctcac accataacga ctttaattcc aatcctctac aactcctgt ttgaggattt 240  
 ctctaaagcc gttgctttca agggacaaag acccgagagt ttccgtgaac gactgaccct 300  
 cgtaggtgtc tacgccccct atttaataat cccctcata ctctcctgt tcatgcttcg 360  
 gaaccctgac tacaagtatg aggagaaaag aaagaaaa 398

<210> 94  
 <211> 390  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(390)  
 <223> n = A,T,C or G

<400> 94  
 agaaaaagct tccgaagcaa caagtggcaa ggacccccgc caccttgccg cctgcgtggn 60  
 caccgcgcac agctgcaagt ccaccgcac ccgctgtgtg cgaccctgac gcctcctgcc 120  
 agtgccggtt cttcggcagc gcctgcacct gtcnagtact caaccccaac tgctgacgca 180  
 gcttcttcgc tgcgcgcgca gcttcgggaa cgggtgattg ggccggggctt caggggtccc 240  
 cgcttttagg ctgagggggc ggtctntgtg ggtggggctt gtgggtgggc gtgggtcagt 300  
 gttgtgactt gtgggcgctt tnaaaaaacc ggttttctag gaaacctagt ggaagctaaa 360  
 atcagaatac aataatattt ttaggctgcc 390

<210> 95  
 <211> 379  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(379)  
 <223> n = A,T,C or G

<400> 95  
 tgagatggaa tccgtgaaaa ggggtgtggac cgaggctggg ggaggggagc gagaagctgc 60  
 accagatgtg gctcagctgg aaccagaaga cccacagga tgctgaaaag gaccagctc 120  
 agccagagca ggtggaggcc cgggcactca gcatgttcag ggacatcacc cagcagctgc 180  
 agagcatgtg tgtggccctg ggggccagca tccagggctt gccagccac gtcagggagc 240  
 aggcacagca ggccccgcag ccaggtgaac gaccttagg gccacctttt tccggcattt 300  
 cacttctttt ccagggacct tnttnagccg gngngttttt ggcccaaac ttcggggaag 360  
 ccgccattaa accagaaa 379

<210> 96  
 <211> 378  
 <212> DNA  
 <213> Mus musculus

<400> 96  
 ataagctggg ggaagaaggc tgcgtacacc tcccaggatg ttgattcaga ctgcgcacca 60  
 ggaaaggggg aaacgtcctc acccccgagg cacttgactt gcacctccag gcggcgctca 120  
 ctgccagtaa agtccaagta tcaactctatg ggaaatcctg ggatttgaac aagatctgct 180  
 acaaactcagg ggttccccctt attgaaaatg ggatgatcga gcggatgatt gagaagctgt 240  
 ttccctctgt tcccctccct acctcctacc atataaatta ttatatgaa gatgtttatt 300  
 tttgtatata gatgctatca ctgctcaaag ttctattttt aaagagtga atatatctta 360  
 tacaaactca aaaaaaaaa 378

<210> 97  
 <211> 378  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(378)  
 <223> n = A,T,C or G

<400> 97  
 agtaacagtg ctacacacaa ccaactgcac gncaangatg ctgcaccggc tggcccatgg 60  
 cctgggggatg gaagccctgc tnttccagct gacctgttc tgctctttca atacggctgn 120  
 ttagtgacce agctgntgcg gnetacaaag agntagcgc tttngccaaa nacatcnttg 180  
 gcaagntctt tgctttggct gcctntgaac cagcacngcg tantgnggag ctgctattct 240  
 ggaagaacac cgcagtgggt cgggaaatga cccagggata tggntccctg gacagtgggt 300  
 cttncagcca cagagntnct atgtngagcc ctgaggaaaa ggcccanctt taggaactat 360  
 acctggccca caaggatg 378

<210> 98  
 <211> 373  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(373)  
 <223> n = A,T,C or G

<400> 98  
acctgagggt aggtacannc gacgatggag acactgctgt ncgtcattgt ggagaaggta 60  
tcattacatg gaacggtttc ttccatcagg tagaggagat tcnaagcagc actagccagg 120  
attgcatcaa natntanctc agngangan naacacactc ntttcatnnt gnntncncca 180  
cactcntatn gaagcctgna annccagcaa ggatcacaca ttcaaggna gctggggcta 240  
cagagaanat tcacgggnca gcctgagcaa ctgatgagac cctgtctaag aactgaaaac 300  
tatagagaga gctgggggta cagctcagtg gtgaagtgnt caccagtat gantaagggc 360  
cagcactagg gga 373

<210> 99  
<211> 371  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(371)  
<223> n = A,T,C or G

<400> 99  
tgaggactgc cccgtttttc ttgnaaaagc cgcgctgnc tgggtctgtg nggactncaa 60  
taccceanca ngcattgcag acagacacnn ggaggaacta cggatgccga ggaggcgctg 120  
ctgggccttt cggagtagcc ggtaccgggc acttcaggca gatccgggac atcatgcagg 180  
cgttgcttgt caggcccttg gggaaggagc atacggtntt tttggttgct gcgggttatg 240  
cagtgtctgt cgcgcattga anaaggagaa aatttagact gttcctttga tatggnggct 300  
gagctcacac ctttgaatc agctatcaat gtgctggaga tgattaaaac agagttcaca 360  
ctgacaaaaa a 371

<210> 100  
<211> 358  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(358)  
<223> n = A,T,C or G

<400> 100  
gtcttgggaa acagattctg gagtctattg aaagcataca ttctgtggga nnccttcaca 60  
gagacatcaa accgtcaaac ttcgccatgg gacgtttccc cagtacgtgt aggaaatgtt 120  
tcattgctga ttttggcttg gctcgacaat ttactaattc ctgtggtgac gtcagaccac 180  
ctcgtgctgt gncaggcttt cgaggagacg ttctgttatgc atcaatcaat gctcatcgga 240  
ncagggnatg ggtngganct ngggacnttg naactgcgtg ctentgactn gcntnagagc 300  
natatcttca tantncaggg anaggcataa tggngcgntt aggagctgag ggaccctt 358

<210> 101  
<211> 348  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(348)  
<223> n = A,T,C or G

<400> 101  
 gcggcagcaa attcgtncgg gnaccgccgc cgccgtncgg gttcctccgg gaagtgaggc 60  
 ggccggccggg gcagctgcgc cggtcttctca gcatccggca accggcaccg gcgccgtcca 120  
 gaccgaggcc atgaagcaga ttctcggcgt aatcgacaag aaacttcgga acctggnaga 180  
 agaaaaagng tnnaatagng gnnntntnan taaaacttnc nanantttat ttganantgt 240  
 gaanatacat gaacaagata tnaaacttta nctattttga taagaaattt taatgtatta 300  
 aattattaaa tagngaaaag aggaaatatt aaaatagtga aagcactg 348

<210> 102  
 <211> 347  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(347)  
 <223> n = A,T,C or G

<400> 102  
 acctgagttt tggtaaaaca gtcacctata ctgnganaan nggaggctga gccnctcac 60  
 aanagacaca tttnaggat gctgacagaa agaggaggga gagagtancc taggtggctt 120  
 cccaaaggag gcgtcctgna gcattgggtc nggaanagct gaagagccta ncacatggca 180  
 gacgacacac cgaggcaacg agagtccatt tccctcacac ctgtggccca tggcctgnag 240  
 aacatggggg ccganttcct ggaaataatg nanganggcc agtcccaca caggcactca 300  
 agcctgccaan aggggtggagg cngnaggagc aaagcagtgt ggaaacc 347

<210> 103  
 <211> 342  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(342)  
 <223> n = A,T,C or G

<400> 103  
 ctgtcatcag ctgcgagcac tggagccgcc tcacgtangt agagtgcag gaagctgttg 60  
 taagcgtcgc agcactgnag ccgcctcctc aggtatcctg gctctggnaa cttgctatgg 120  
 gagattggat gactgtgaca gatccagttc tgtgtacaga aaacaaaaat ctctctcaat 180  
 atacctcaga aacaaagatg tctccgtcca gtttgactc ccagcaagtt ctgtgctctt 240  
 cagtaccttt atccaaaaac gtgcatgggtg ttttcgggtgt cttctgcaca ggagagaaca 300  
 ttgaacaaag tatttcctat cttgatcagg agctggccac ct 342

<210> 104  
 <211> 338  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(338)  
 <223> n = A,T,C or G

<400> 104  
 acctgaggct cgcgacangg tgtctaagga cctgggtggct ttgaagatgg tgaagatgga 60

```
gcttgatgat gacgncncca cccttcagaa ggagattctc atgctgaaaa cttgncggca 120
cgccaacatc gtggcttacc atggcagnta cctctggctg canaagctgt ggatctgcat 180
ggaattctgt ggagctgggt ctctccagga catctaccan gtgantggct nctctgtcca 240
cagctccaca tcanctatna tgtgccggga agtgcttcag ggactggcct acctgnnttc 300
ngagaagaag atacctcgag acatcatagg gagccaac 338
```

<210> 105

<211> 334

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(334)

<223> n = A,T,C or G

<400> 105

```
catgaatatt gcattaaccc ataaggacta ngggatataa tcnacngca caggaggggg 60
tgacngaana antcnganng cagnaacnna cncaatnttg ggnganttn cngtggtaat 120
ntacgccccaa ncgactacnt gtctctaaat nttncctng cgnntccgag accctgacct 180
ccggnagatg tttgggcagt ttggcaaaat cctagatgng gaaataatct ttaatgagcg 240
cggtccaag gggnttgggg gttcgtaac ttnnagaat agtgctgatg canacagggc 300
caggagaaaa ttgcccgggc accgtggtag aggg 334
```

<210> 106

<211> 332

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(332)

<223> n = A,T,C or G

<400> 106

```
ctattatatg gtgcttgcan cacatctcct ggctattcga nggaagcant atntgggnag 60
acacttaact caagacaggt cccgcgngtc tncctncanc tccggaggac ccggcgaccg 120
aaagaagagg acacnatgtg caggcnctgg agaccacact cggaagaanc ccaccggnt 180
ggncattgnt gttgaaggag ggtttgacct caccgaggac angtttgaat ttgacgagga 240
tgtgangatt gtcattnaaa cncantatct gccnancnt agngctccca aggnctgagc 300
tttctaanat tagtacacat ggtccagct gt 332
```

<210> 107

<211> 324

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(324)

<223> n = A,T,C or G

<400> 107

```
ataccgtttc cccaaagcca gnanccttac ctgtanctac cgctgggnaga agnaggcggt 60
gcttacagnc ggggagcatg aaggtcgact acgnataccc atcccganag gngcctcccc 120
cacggtgnat cacggtccan aagccatgna ncgnataccc taccancggg ggtaccggga 180
```



aacaccgtga cagtgatacn tatcgggtgtg aagagcggag ccangnnnt ggagaggact 240  
gctatgggtc ttacgttnt cgacatcgga aacgggcacn gagagagggc gccttaccgn 300  
acccgcaagc atgcccacca ctgt 324

<210> 108  
<211> 322  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(322)  
<223> n = A,T,C or G

<400> 108  
tttctgagat tgacgcgctt ttngaaaagn ctgtcccggt gtcgnaagg nacctggtn 60  
ccgtgacctt ccagcttta cagggcagna gccttcanta cctgaggaca ggaggtctct 120  
ggagaangag aacacaccct catgaaccaa gcctncagta tgagaaagag ctaaagctgc 180  
ttncacatga gaacccgaaa aacaccctcc ttttgggggg gcattttttt ttntntttcg 240  
ccctgntttt tggcttactg gactttggga naaaaccccc tttccanccn cttaaaanna 300  
ngggggaagg gctttctttt tg 322

<210> 109  
<211> 321  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(321)  
<223> n = A,T,C or G

<400> 109  
ttaccttag ggatttgaat ggggaaggnc ttgaaaganc nacatgagca agaaagcgtg 60  
tganaggag atgcagcgaa tcaccttgcc cctgtctgcc ttcacaaacc ccacctgtga 120  
gaccgtggat gaaaacacca tcattgtgca cagcaaccag actcctgctg acgtgcagga 180  
gggcagcacc ctctcacgg gccaggctgg caccctggg gcctgagccc cttcagtggg 240  
caggtgcccc tgtaaacact ggtacaggac aggccaccct cctgcagttg ggaggagcta 300  
cattttgtgt tgtggttaaa a 321

<210> 110  
<211> 312  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(312)  
<223> n = A,T,C or G

<400> 110  
ctgaggactt acctcttcna attcctgggtg attggcagtg ctggaactgg caaattatgt 60  
cttctcccca gtttattgag aataagttca aacaggactc caaccacact atcggcgtgg 120  
agtttggatc caggggtggtc aacgttgggg ggaagactgt gaaactacag atttgnaca 180  
ctgctggcca ggagcggttt cngtcggnga cgcggantta ttaccgaggg gcanntggag 240  
ccctgctggt gtatgacatc accagccggg aaganataca accttacttc gctgnttggg 300

ctaacttgat tg

312

<210> 111

<211> 295

<212> DNA

<213> Mus musculus

<400> 111

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acaccctcc tccgctcgtg cccccggcgg cccgcgagtg gaacctgccc cccaatgcgc 60
ccgcatgcat ggaacgtcaa ttggaggctg cacggtaccg gtctgatggg tcccttctgc 120
tcggggctc cagcctgagt ggctcgtgct gggtaggttc tctgtggttt ttcaaggatc 180
ctagtgcggc ccccaacgaa ggtttctgct ctgctggcgt ccagaccgag gctggagtag 240
ctgacctcac ttgggtgggg gacaaaggta tcctagtggc ttctgattca ggtga 295
```

<210> 112

<211> 287

<212> DNA

<213> Mus musculus

<400> 112

```
cggttccact tggcagtcag tcgaatccat tcaaggctgc ttagtccaac ttaatgaagc 60
ctgtgtcctt cgtgtactgc cggaagcact ggcggcacac gttcagccgg tatttgcgga 120
tcaaaccgtg acggttggag cagacacggc aagagcggga accctggccg aacttccgtg 180
ggtgactcca gtagagctgc tggtcacca tcttgccttc agacacccaa cgaggagaaa 240
ggtctaatta atttttaaat aaataaccatt ttatatgaaa aaaaaaaa 287
```

<210> 113

<211> 272

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(272)

<223> n = A,T,C or G

<400> 113

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gctggctacc atgaaacaac natccccnnt gtgccgaagg ctctgtagt tcanatccca 60
gcanccacat ggtgactnnc aacgtacccg naatgagatg ggacgccttc ttctggngtg 120
tctggagcga gcangnactg agtgancaca gtngaccgga ataantnnag gtcctaaaat 180
tcaattccca acaaccacat gaaggctcac aaccatctgt acagctacag ng tactcaca 240
tacaataaat aaataaatct taaaaaaaaa aa 272
```

<210> 114

<211> 268

<212> DNA

<213> Mus musculus

<400> 114

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ccctgcgcgg gggaccagga ccgctgacac cacaccctg caatgagttg ggggcctctg 60
catcgcccag aacgcctggg cctgcccgcg ggggtagcgg caggcgacag ccaagacctg 120
actcccttat cttttaccgc caggcgagga ctgtggaaac gggtaaagtg gccacgtggc 180
ctctctagat tctaaatgtg agcagcgatg gacttggggg gagagatgaa cgaactactg 240
aataaagcta aaatgttatt taattaaa 268
```

<210> 115

<211> 260  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(260)  
 <223> n = A,T,C or G

<400> 115  
 aggacaccttc cggcacctgg nggctctttc agcctgaacc taccaccgnc tcaagtatct 60  
 tctactagta cagcgaaagn agtaggcaca atccccagtc nccccctcag gaatccagcg 120  
 ccaccttgaa gcgtgggtgga aagaagtgtg ctgtacccca ctccagcccc aatctagcgg 180  
 aggtaaagaa gaaaggcaaa atgaagaagc tgagccaacc agctgaagag gacctagttg 240  
 tggggccttga aaaaaaaaaa 260

<210> 116  
 <211> 252  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(252)  
 <223> n = A,T,C or G

<400> 116  
 tctcaccttc acggagctac agtggttcctt acgatgccac gccttcctgc gcaggaacag 60  
 cggctgctga cccaagctgt gtgcttgccc ,atggcgaggg tgggagcagc agctcggggc 120  
 ctccgggtcca cttcccatgt cacagcctcc tctgcctcca gcccatccaa cttagagctgg 180  
 ntagcatgaa gggagacagc ggttcccaac tggagtacag aggtaagggc caataaagag 240  
 gacaggaggg gg 252

<210> 117  
 <211> 250  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(250)  
 <223> n = A,T,C or G

<400> 117  
 agcatcaatg gttcaagcca ggaagtagca tctgagaaag acttggtgtcc tccccctcctt 60  
 caaaggctta tgggtgaacg gacataagac tgctgcatcg ggactcacca aaaagtaggc 120  
 nnccacntac ctctgaaact gtgcgatctc ctggctaatag tcatccagct ctttaacacc 180  
 agtgaactct cctgatgcca gagtacttga actgtcctag aattaaaact tgaaatgtca 240  
 aaaaaaaaaa 250

<210> 118  
 <211> 234  
 <212> DNA  
 <213> Mus musculus

<220>

<221> misc\_feature  
 <222> (1)...(234)  
 <223> n = A,T,C or G

<400> 118  
 agagcaccga cagcctaattg tnagtgtctgg cagtgtaggct caggagggtga nccctcntcc 60  
 tgctgggaac agaagcnnag aggtgccngt taaagantaa nccnngnttt gaactttctg 120  
 gggcacttct tgaggacacc antaccttcc ggggtgnggt tattaaatac agngagcccc 180  
 cagaagccna ggatccccc an taaancngng gcgcctntac cccttttaaaa atga 234

<210> 119  
 <211> 225  
 <212> DNA  
 <213> Mus musculus

<400> 119  
 acctgagggtt ttaaaatgga acatttcgat ggcgtaactc agtacctatt atgtgtgtgt 60  
 cttctcccta ggtacccgctc tgcagggtgtc tttacatatc tcaatacaaaa aattataaca 120  
 tttgatagtg tgctgtcaaaa gtgtgtcttag ctcatctgga tatacccaca ctgttaaata 180  
 atgtctaaac attaatcatt aaaacctttt tgattaaaaa aaaaa 225

<210> 120  
 <211> 222  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(222)  
 <223> n = A,T,C or G

<400> 120  
 tgagcctgtg aactcctggc cttgataagt ccctgacgcc gatnccctgg tcctgggtga 60  
 ggacgggacc atagtggatg acgatgacta cttcctctgc cttccttcca atacaaagtt 120  
 tgtggcgttg gcctgcaatg agaagtggac ttataatgat tccgatggan gnacngcttn 180  
 ggtttcccaa gagnccctnn aggcagatga gccagacagc cc 222

<210> 121  
 <211> 222  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(222)  
 <223> n = A,T,C or G

<400> 121  
 acctggagggt atggagtttt cttggaacgt tcgtaaaagg aaaaggttct aggaggatgg 60  
 cagcaagtat gcttcggcga aggcaaagna gtctgaagtt ttttatgagc ttgctcatca 120  
 gttgccactt ccccacaatn cacagcaaac tgaagatcaa caacttgaag atgttccatt 180  
 atataatgat gtaatgnntc cctcttctaa tgaaaaatta aa 222

<210> 122  
 <211> 212  
 <212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(212)

<223> n = A,T,C or G

<400> 122

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aacaggcgtc acatcattga taacagggta cattgttgct tctacttcat ttcacctttt 60
ggacatggac tgaagccctt agatgttgca tttatgaaag cgatacacia taaggtgaat 120
attgtgcctg tcattgcaaa agctgacact ctactctga aggagcgtga gcgncttaag 180
aaaaggattt tggatgaaat tgaagagcat ag                                     212
```

<210> 123

<211> 210

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(210)

<223> n = A,T,C or G

<400> 123

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aaaatccgga gtcttcaatg tatcanagct tgtgagagta tccatgaaca cccataaccc 60
agggtaaactg gagtcaactt cccaancgga agaaattccc agccaacnt actatgatga 120
catgaactnt ggtgtgaacc tgcagaggtc gttgtcttct ccaccgtgca gcaaaagacc 180
caaantatn tctatggatg aaaatggggg                                     210
```

<210> 124

<211> 208

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(208)

<223> n = A,T,C or G

<400> 124

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acttctccag cctcctggag ctacactgc tggtcggaaa ctatatgaat gcgggctcca 60
ggaatgctgg tgctttcggc ttcaatatca gcttctttg tangcttcga gacaccaagt 120
ctgcagatca gaagangact ctgttgcat tcttggctga gttatgtgag aatgaccacc 180
ccgaagnnct caggtttcct gatgagct                                     208
```

<210> 125

<211> 208

<212> DNA

<213> Mus musculus

<400> 125

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taaatttaaa aatggcctcc ataaaactac attgcaaaaa atgggaaaga aacaaaatgg 60
aaagagtaaa aaagttgaag aggcagagcc tgaagaattt gtggtagaaa aagtactgga 120
ccgtcgtgta gtgaatggga aggtggagta tttcctgaag tggaaggggt tcacagagta 180
agaaacctca gtgcttcaaa aaaaaaaaa                                     208
```

<210> 126  
 <211> 204  
 <212> DNA  
 <213> Mus musculus

<400> 126  
 tgaggatgca tttctgagcc ccggttgttg ttcccgatgg ccctcgcagc agcgagtccg 60  
 tggaaggaag ccctttccgt ccttcccact cctcctcggc ggtgttcgat gaagacaagc 120  
 cgatagccag cagcgggact tacaacttag acttcgacag catcgagctg gtggataact 180  
 tccagagctt ggagaaaaaa aaaa 204

<210> 127  
 <211> 189  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(189)  
 <223> n = A,T,C or G

<400> 127  
 aagtatgttg tccgtaaaan gagcaangca gcagtannaa ancatgcaaa aatgnaaggc 60  
 tgaagatgga gagaactacg ccattaagaa gcaggcagca gatccctgca ngtagtcccg 120  
 gatgatgatc ccagattgcc agcggtcggc ntagcaggct gncatatact gatcttcagc 180  
 agatattag 189

<210> 128  
 <211> 183  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(183)  
 <223> n = A,T,C or G

<400> 128  
 actgcctgca ctgcagtgtc cccagangna cacatggtaa cagtgatgcc gctggcagta 60  
 tggagtaagt accatcagca agctcatgtt tgacttccag agggagtcca acctcagatg 120  
 acgactctgg ctgtgctttg gaagagtacg cctgggtccc cccaggggctg aagcctgagc 180  
 aga 183

<210> 129  
 <211> 180  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(180)  
 <223> n = A,T,C or G

<400> 129  
 gtgcacattg taatactggg cagtaatttt gaaaggatta cagtatcatc ccaggcgcta 60  
 agcatggtaa atattcaagt gggatgtgta gactgttcaa tgcaacaagg caagnattgc 120

agcatcctat gggaacgtta tctctgtttt tgaaccagtc agtttgccga aaaaaaaaaa 180

<210> 130

<211> 178

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(178)

<223> n = A,T,C or G

<400> 130

actgaggaga agcgggttngc agtggttngag atcctctttg ccctcatgan catccctnat 60  
cctttacagc tccaacagtg ncaacgaggt cttccactac ggctccctgc ggggccgnac 120  
gcgtcggcca gtcaactctn angaagnnga gtttctccag cgcctacttc cctatcct 178

<210> 131

<211> 170

<212> DNA

<213> Mus musculus

<400> 131

aaagaagcag caacagtgga agagctgaac cccaaaggca tccctgagtt ctgggttcacc 60  
atcttcagaa atgtggacat gcttagtgag ctgggtgcagg aatatgatga accgatcttg 120  
aaacatctgc aggatattaa agtgaagttt tcagacccta aaaaaaaaaa 170

<210> 132

<211> 161

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(161)

<223> n = A,T,C or G

<400> 132

tgtgtcttac tccctncata cctactggac gctgctgtgg tgtacagagg ccctgccctt 60  
ggctgncacc gccctcttcc ccatcatcct cttccctttg atgggtatca tggaagcctc 120  
caaggntcgn taaaaggact acaaggacac caacatatgg t 161

<210> 133

<211> 160

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(160)

<223> n = A,T,C or G

<400> 133

tgaggttgca aggtgagaag anntcggccc agnggcgaac agtggagggt gcnttgaagg 60  
agcgacagaa aggcagttga tgangctgcc gatgccctgc tcaaagcaaa agaagagtta 120

gagaagatga aaactataat tgaagatgca aaaaaaaaaa

160

<210> 134  
<211> 153  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(153)  
<223> n = A,T,C or G

<400> 134  
catagcccat gtgctgaatc aaatagaacc cttcctgggt caacgacgaa tggctccagg 60  
gcatcttaca ggactcaagc cccagctgga ggttgaaggt naggaaactg gagaagatct 120  
tacaggagct tgggtggaata ctcgaagaat gtt 153

<210> 135  
<211> 146  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(146)  
<223> n = A,T,C or G

<400> 135  
caagcctgca cttggaacgt tagcangcac cngttggccc anatcccaga agaanagacg 60  
aggaaagang aggaaaggaa aaaataggan nctgatcana agaaggaagc tgctgtttct 120  
gtacaagang agtctgatct tgaaaa 146

<210> 136  
<211> 143  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(143)  
<223> n = A,T,C or G

<400> 136  
acgcatgaag tcagtaccac ccgtcnnac caactccaga atggacttgc catttttncct 60  
acaaagnatg tacgtcaact gctgaaaaat ggagacgccg tacctggaaa acaaaacgaa 120  
gaaaaancct acataaatag gac 143

<210> 137  
<211> 138  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(138)  
<223> n = A,T,C or G



<400> 137  
 ggctgtgca gtgacatgtt ggacttctct agctgcctac atntgaagcg aactgttctg 60  
 cntgttagg gaaactgatg accttagcaa agaatttgcc cgaccctgga aaagcacaag 120  
 attttgtaaa aaaaaaaa 138

<210> 138  
 <211> 135  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(135)  
 <223> n = A,T,C or G

<400> 138  
 tgaggtagaa aatgtttacc ctcnacctgg ctgggttgaa atcgatcctg attctctctg 60  
 ggctcagttt gttgccgtaa taaaagatgc tgtcaaagct gcaggggtgc agatgaatca 120  
 aattgtcgaa aaaaa 135

<210> 139  
 <211> 135  
 <212> DNA  
 <213> Mus musculus

<400> 139  
 aataactata ccgctcttca tctattaatt acagccagga atctggagca gcagctgatg 60  
 atataaagcc atgtccacga tgtgctgctt atataataaa gatgaatgat gggagttgca 120  
 atcataaaaa aaaaa 135

<210> 140  
 <211> 132  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(132)  
 <223> n = A,T,C or G

<400> 140  
 aagcgattgc cagctggaat ggnagggtatt accttcagct ccctgacgac tacgagnact 60  
 cgcgcttctg agcctgggaa gaagaggggtg agatgggcag acctagaaga aaagaaggat 120  
 gcagatagga aa 132

<210> 141  
 <211> 126  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(126)  
 <223> n = A,T,C or G

<400> 141

gacttgggca ccacctactc gtgcgtgact cgtgttcnag cacgnaagg tggagatcat 60  
cgccaacgac cngggcaanc gcacgacccc tagctacgtg gncttnaccg acaccgagcg 120  
cctcat 126

<210> 142  
<211> 110  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(110)  
<223> n = A,T,C or G

<400> 142  
cagctgcagc caccgcccgc cagtnccacg ctggctccgc gcgccatggt caccacagc 60  
aagnttcccc cgccgggat gagccgccc ctggacacca gcctgcgcct 110

<210> 143  
<211> 107  
<212> DNA  
<213> Mus musculus

<400> 143  
tctcccttgg ggacaccatc ggtgtaggca cccaggact catgaaagac atgctgactg 60  
ctgtcatgca tgaagtgcct gtgacagcat tggctgtcca ctgccat 107

<210> 144  
<211> 636  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(636)  
<223> n = A,T,C or G

<400> 144  
gctgtgcgca cgctcaaacc ctgcaaacca atgnccagct acctgggaca ggtaaagcgc 60  
caacggnagt gacccccagg cgcagctggn aggctatgga gatgtacctg gcacggagtg 120  
gactgcaggt ggaggacttg aaccggctaa acattattca tgctactggg accaaaggga 180  
agggtccac ctgtgccttc accgaacgga tcctgcggaa ttacggcctg aagaccggct 240  
tcttttagctc tcctcacatg gtgcaggtgc gggagcggat tcgaatcaac gggaaaccaa 300  
tcagccccga gctcttcacc aagcacttct ggtgcctcta taaccagctg gaggagttca 360  
aggacgacag ccatgtctcc atgccctctt acttccgctt cctcacactc atggccttcc 420  
atgtcttctc ccaagagaag gtggacctgg cagtgggtgga ggtgggcatt ggccgggctt 480  
ttgactgcac caacatcatc agaaagccag tggtngtgg agnctcctct cttggcattg 540  
accacaccag tctactagga gatacagtg agaaaatagc atggcagana gggggcatct 600  
ttaagcctgg tgtccctgcc ttcactgggg tgcagc 636

<210> 145  
<211> 615  
<212> DNA  
<213> Mus musculus

<220>

<221> misc\_feature  
 <222> (1)...(615)  
 <223> n = A,T,C or G

<400> 145  
 gcgtctgcgg ccccggaangg caggcactgc caccggggcga atcgnnggcag ccatcgggcgc 60  
 tngngtggac gtccagttcg atgcagggat taccacccat cctaaatgcc ctggaagtgc 120  
 aaggcagggg acagcagact ggttttggag gtggcccagc atttggggga gagcacgggc 180  
 agaactattg ctatggatgg cactgaaggc ttggttagag gccanaaagt actggattca 240  
 ggggcaccaa tcaaaattcc tgttggtcct gagaccttgg gcagaatcat gaatgtcatt 300  
 ggagaacctt ttgatgagag aggtcctatc aaaaccaaac aatttgctcc tattcatgct 360  
 gaggtcctg agttcataga gatgagtgtt gagcaggaga ttctggtgac tgggataaag 420  
 gttgtggatc tgctggcccc atacgccaa ggtgggaaaa tcggactctt tggaggtgct 480  
 ggcgttggaa agacagtact gatcatggag ctaatcaaca ntgtcgccaa agcccatggg 540  
 ggttactctg tatttgctgg tgttggtgag aggacccgtg aggncaatga tttntaccat 600  
 gaaatgattg atcaa 615

<210> 146  
 <211> 606  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(606)  
 <223> n = A,T,C or G

<400> 146  
 gactgagact ggagatttga tgcacacact tgggggtgggt ggagaggacc acagtgaacca 60  
 tgatgaccac ggtgatcatg ctgaccacag tcatccggac aggaaagcca gccaccaaga 120  
 ctctgagctc catactcccc acaacagcan catctagtgt atgggacacg ctgtgcctga 180  
 gtgccaaaga tataatggct gtgtatgggc tatctgaaga ggctgggggtg agccctcagg 240  
 cctgggcccc actgaccctt gccttggtcc agcaacagct aagtggagcc tgcagccctt 300  
 accccactat ncgtattcag gaccagctca gnnaaacaga gaggtatctc tatggctcgc 360  
 tggccaccct gctcatctgc ctctgtgctg tgttcggtct tctgctgctg acctgtgcca 420  
 aatgcancac anccaccac tacatcatgc agaccttctt aagcttggct gtgggcgcac 480  
 ttaccggcga tgctcttctg cacctgatac ccaaggngct gggactgcac acacatggng 540  
 gagagggtca caccatgaa gaggatgtgg nccgttgggtg ggcangccac cctgggcgct 600  
 gctggt 606

<210> 147  
 <211> 597  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(597)  
 <223> n = A,T,C or G

<400> 147  
 tgtcataaaa actttaagga gaagagaaac ccacgcaagg tcaggtggac taaagccttc 60  
 cgggaaagca gctggcaagg gagctcacgg tggacaactc atttgaattt gaaaaacgta 120  
 gaaatgaacc tgtgaaatac cagcgtgagc tngngaataa aactattgat gccatgaaga 180  
 gagttgaaga gatcaaacag aagcgccngg ccaaatttat aatgaacagg ttgaagaana 240  
 acaaagagct ccagaaggng caggacatca aggaggtcaa gcagaacatc catctcatcc 300

```

gggctcctct cgctggcaaa ggaaagcagc tggaggaaaa aatgggtccac cagttacagg 360
aggatgtgga catggaggaa gcttcctaac gngngctgccc gcaaccagcc ctgagcacgc 420
tggagtggag tggagacttt cngcccctaa gttattcatt ggttccataa ggncccttcag 480
acaangggga ttcaatgtgc tttccccttc aacgttgagc cctgtaaaag catncccttg 540
tggngnggtg ggtctnagct cancactctg ctctctgntg ttatgcgcac ccacaca 597

```

<210> 148  
 <211> 588  
 <212> DNA  
 <213> Mus musculus

```

<400> 148
actgagggttg acaagagttc cccgagatag aagccctgaa ggagcgggca tctctccagc 60
taccccagga atgtggtcgt gaggcagagc ccgcagcttt cagaagaaga gtagtcttgg 120
gccatggccc aggtcagcat caacagtgac tacagcgagt gggcttccag cactgatgct 180
ggggagcggg gcccgtttgc tccaaagtcc ctgtgtggat gtggtacctt agagtgaggg 240
ggagggcgtct cctggagatc cagacagcgg caccacttcg acgcttggag ccgtcttcat 300
cgctcgcaat gcctgcctcg gtgcgggtct gctcaacttc ccagcagcct tcagcaccgc 360
tgggggcgtg gcagctggca tcgccctgca gatggtgagt gagtgcgcgc gtgcgctggc 420
atcggaggta ggcaggcaac tccgggcctc tgatttgcag gggaggcttt gaatcagaga 480
tgagccataa gggacatatg tcgtcatcct tccctcccct ataatgact ttatcagctc 540
atcccagaac ttctgtgtga gccatggatg acttttaacg ttagatct 588

```

<210> 149  
 <211> 584  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(584)  
 <223> n = A,T,C or G

```

<400> 149
actgagattt ggactgagca acaaatttga atcagaattc ccttcttcat taactggaaa 60
agtagctcct gaagaattta aagccagcat caacagagtt aacagctgtc tcaggaagaa 120
tcttctctgt aatgtgcggg tggttgcgtt tgtggctgcc tgtgcttgcn tgcgtgcacg 180
ttaggggtgca gtatgtggcc agttatttgc ctacagtaaaa gaacacgaag atcgattgag 240
aagttattag aatgggaaaa caatagggtta taccacaagc tgtgcttgcg ctggagactg 300
agcaaaagga aatgtgaaac gaacaacatg atggaatatg tcatcctcat agaattttta 360
ccaaagacac cgatttttctg accagattag catttgcttt atttatagag actttccaag 420
ngngntgtct ttccaatggg gccttgcttg gtgctctcct gctgggtgaca tgatgctggg 480
tctacagaat tggngngngn tcttgtttgn tttgtttttt aaataaccgg atgttctatg 540
tgtgcatatt tgtcaaactt tgcaaggatg ttcatacaga tggtt 584

```

<210> 150  
 <211> 579  
 <212> DNA  
 <213> Mus musculus

```

<400> 150
actgaggatg gctgttcttc tgatgaggtt gatgctacaa actacaaagc ttgaccataa 60
cttaattgga agatgttttc aaagacacgc tgtgaagcca gatccagcac agctgtccct 120
gtctgcgtcc accccaaagc tggtgtacct gacttctgca aaagggttta gtactgctgg 180
agaccacagc ggtgagagga aacagaaaag aagggatgct ttctctaaca ccggccggaa 240
gattagttag cggattatcc gcgtcctgga tgagaagggc atggacctgg ggatgatgca 300

```



```

aacggggcagg cgccacgngc ccaggcggca aacnccgnaa ccgctttgnc aantaaggaa 60
cggccagtga aacgtactac ttcgccaacc tgagcaacaa ntcccanccg tacatggnag 120
tacatcttca ccacctgcgt ggacacgcgc tggcgctata tgctcatgat cttctccgcg 180
gccttcctcg tttcctggct cttnttnggc ctctcttctt ggtgcattgc cttcttccat 240
ggtgacctgg aggccagtcc ctctgtgccc gcggcaggag gcccgggggg caatggcggg 300
gcaagcccga atgcccccaa accctgtatc atgcacgtaa acggcttttt gggggccctc 360
ctcttctcag tggagaccca gacgaccatt ggctacgggt tccggtgtgt gacagaggag 420
tgcccgttgg cggncattgc gnggggttgt ccagtccatt gtgggctgng tcattgactc 480
cttcatgatt ggcacgatna tggccaagat ggnacggccc aaggaagcgg gcacagaccc 540
tngntgttan ancaccatgc tgtcaatctc cgttc 575

```

```

<210> 154
<211> 571
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(571)
<223> n = A,T,C or G

```

```

<400> 154
ctgaggtatc actcaaccaa tctaaagcaa aagcacagca gggcaggcct tcctgtgtgt 60
taacacagga aggctggcac cctggtcatt ctggagacc cagcactgac cggcttccgg 120
aagggcagca agatctgtcg tcgcagcaca tggaagaagt tgccaggggt ggaacagttg 180
acaacaatcc agttgcagtc atagagctga ttgatgtcaa agttttcttc ctgcaggctc 240
tatngcatgg gaggaaatgg gcagaggcca atggcacctt gtgagcattg tgcctgggac 300
aggaggcaac acgaggcaga gaggtctcag gatgtctctc aggacactca aggactcact 360
gaggacagng agaacaggat ccacagcttc cctgagtctg agccccattt aatccngngt 420
ggctcctgag ggctaccgtt tagcagngga tacatgggat ctaggagacg tacagtcaag 480
tctacatttc cttagaaact gactcctggg ttctttttaa gctgccttaa cgcggctggg 540
aaagatggn a ctgactgttc ttccaaagg t c 571

```

```

<210> 155
<211> 570
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(570)
<223> n = A,T,C or G

```

```

<400> 155
gactgagctt ggcaattatt tatggcgtgt tctctgcttc aaatttgatc actccgtccg 60
tggtcgccat tgttggacct cagatctcta tgtttgtcag tggtttgttt tacagcatgt 120
acattgccgt ttttatccag ctttcccat ggtccttcta cacagcatct gtcttcatcg 180
gaattgccgc tgctgtcctt tggacagcac aaggaaattg cctgacgata aattctgatg 240
agcacacaat cgggagaaac agcggaaatt tctgggcact cttacagtct agcttgttct 300
ttgggaatct ctacatatat tttgcatggn aagggaagac ccagatctca ngntggngctn 360
gttcncgttg ctttattaan atggctatga aagtgagcag caggactaca gaatggcccg 420
tctgctctaa ncancactca ctcccaggaa ctttggcacc ctgatgttgc ttctgangcc 480
tgccctttcc caagtggctg ggctttgcta gccaggctcc caagggtctg tgtgcgctcc 540
cttgttggat ccnggccctc cccaggttaa 570

```

```

<210> 156

```

<211> 569  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(569)  
<223> n = A,T,C or G

<400> 156  
gaagctgcaa ggtcacncat ttctgaatca tnggagcagg aacantaaac nagagaaaat 60  
ggtgttacag atgacctggg atgctcccaa gcccaaaaaa gctaaaatga gagaaaagct 120  
aaatggagac accaangaag gacttagatt ttcatagtaa ttctcccat ctcataagtc 180  
aagaanaaaa gacctgccna atggagatgt ggatgagtat gagaaaaggt caaagcgagt 240  
gtcatcctca gaaaactctc acaagtcang cgatnaagca gaggagactc taacacgtga 300  
acaaaaggaa ggagccttct ctaatttctc catttctgag gagaccataa agcttctgaa 360  
aggctcgagg gtaacatata tctttcctat tcaagttaaa acctttgggc ctgtntatga 420  
aggaaaagat ttaattgctc aancccgagc aggaacagga aagacnttct cttttgccat 480  
acccttgatt gaaaggctcc aaagaaaaca agaaacantt ctgtttgccg tcncctnng 540  
gtacttcggt ttgggtccaa caagggaac 569

<210> 157  
<211> 568  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(568)  
<223> n = A,T,C or G

<400> 157  
caagatgctc aactacanca ctcccagcgc tgggggctgc ctgctggaca ggaaggcagn 60  
gggcacccct gctggcgggg gcttccctcg caggcactcg gncactctgc ccagctccaa 120  
gttccatcag aaccagcttc tcagcagcct taagggtgag ccggcccccag tccctgagct 180  
caccngaca gccgctttcg agaccgctct ttctccgaag ggggcgagcg gctgctgccc 240  
accagaagc agcctgggag cggccaggct aactccagcc gctacaagac ggagctgtgc 300  
cgtcccttcg aagaaaaacg tgctgttaag tacggggaca agtgccagtt cgcgcatggc 360  
atccacgagc tccgcagcct gaccgcacc cccaagtaca agacggagct gtgccgcacc 420  
ttccacacca tcggcttttg cccgtacggg ccccgctgcc acttcattca taacgccgag 480  
gagcgacgag ccctggcggg gggccgagac ctctccgctg accgtccccg cctccagcat 540  
agcttttagct ttgctgggtt tcccagtg 568

<210> 158  
<211> 568  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(568)  
<223> n = A,T,C or G

<400> 158  
gactgaggtg gggctctttac tgggcngng agtttncagt nggagactgc ggccatcacc 60  
gtcgcacctc gctgtccgcg tggcgggccc actcgatatt gcctgtggac gatgatata 120

acgggctaaa	cgaggagcat	aagcngcntt	nnangtacta	tctctaagnt	tnttcaagag	180
aacctggccc	ccaaggccca	agagatngat	cnaaccaatg	acttcaagaa	cctgagagag	240
tntgtggaaa	cancctgggg	agcctggntg	tactgggcat	cacagccncc	gttcagtatg	300
ggggntntgg	cctgggctac	ctagaacatg	tggtggtaat	ggaagagata	tcccagggct	360
tnngggagcag	gggggctcag	ctacgggtgct	cactccaacc	tctgcgtaaa	ccagantgtg	420
cgaannggga	atgaggcnca	gaaagagaaa	taccttccca	agctcatcag	tggtgagttc	480
atcgagacct	tggccatgag	tgaacccaat	gctggctctg	acgttgcttc	catgaagcta	540
aaagcagaaa	agaaaggaga	tcactatg				568

<210> 159

<211> 567

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(567)

<223> n = A,T,C or G

<400> 159

actgagtaaa	tgtttatttg	aggcttgage	tgggatacaa	gcaagaaaga	tctgactgaa	60
tatttgtctc	gatttgggga	agtggtnnac	tgcacaatta	aaacagaccc	agtcaccggn	120
aagatcaaga	ggatttgnat	ttgngctttt	caaagatgct	gcgtagtgtg	gataaggttt	180
tggaactgaa	agaacacana	ctggatggca	aattgataga	ccccaaaagg	gccaaagctt	240
tnnnngggaa	agaaccccct	aaaaaggctt	ttgtgggtgg	attgagccca	gatacttcag	300
aagaacaaat	taaagaatat	tttggagcct	ttggagagnt	ggnctgtatt	gancttccca	360
tggatacaaa	aaacaaatga	aagaagagga	ttctgtttta	tcacatacac	agacgaagag	420
ccagtaaaaga	aactgttaga	aagcagatac	catcaaatag	gttctgggaa	gtgcgaaatc	480
aaagttgcgc	aacccaaaga	ggtgtacagg	cagcagcagc	aacaacagaa	aggaggcaga	540
ggggctgcag	ccggcggaag	aggaggt				567

<210> 160

<211> 567

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(567)

<223> n = A,T,C or G

<400> 160

gactgagaga	agatcttctc	agaagcaact	cccagggtgtg	agcagtgtca	gagcgtggta	60
aagcctgata	tcgtgttttt	cggtgagaac	cttccatcgc	gcttcttctc	ctgcatgcag	120
tcagacttct	ccaagggtga	cctcctcatc	atcatgggca	cctccctgca	ggtgcagccc	180
ttgcctccc	tcatacagaa	ggcaccacta	gccacccac	ggntgctcat	taacaaggaa	240
aagacaggcc	anacggaccc	cttctctggg	atgatgatgg	gcctgggagg	tggtcatggat	300
tttgactcca	agaaggctta	cagggacgtg	gcctggctgg	gtgactgnga	tcaaggctgc	360
ctggctctcg	ctgacctcct	cggtatggaag	aaggaaactg	aagaccttgt	ccggagggag	420
catgccaaaca	tagatgccca	gtcagggtca	caggccccc	acccacgcac	taccatctcc	480
cctggaaagt	ccccaccgcc	tgccaaggag	gcggccagga	ccaaagagaa	agaggaacag	540
cagtaacagt	aaccatgacc	tcccgcga				567

<210> 161

<211> 565

<212> DNA





```

cttcccacct gaggtgaagc atgcgtgcag agaaaaacgac cctggacctc tggaaccagc 300
caatgtcaca gtggataatg ttcttggtcc tgaacataat gaaaaaggaa cactgcagaa 360
aaccctatc agcttccaga gtatcctaga aggaaccaa cttttccaca aagacttcct 420
gattggagaa ggggagatat tcgaagtata cagagtggac attcgaaacc aagcatatgc 480
tgttaaattg tttaaacagg agaaaaaaat gcaactaaag aagcactgga agagattttt 540
atcagaactg gaagttctac tc 562

```

```

<210> 164
<211> 560
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(560)
<223> n = A,T,C or G

```

```

<400> 164
tgaggggcaa gatgaagagg attgcctttc agttcacgcc ttacagctgg gtacgctttg 60
agtgggaagcc agcctccagc ctgcaccgct ggctggccgt gtgtggcatc atcctggtgt 120
tcctgctggc agagctgaac accttctacc tgaagtttgt gctatggatg cccctgaac 180
actacctggc cttcttgagg ctggctcttc tcgtgaacgt ggggtggtgt gccatgcgtg 240
agatctacga cttcatggat gaattgaagc cccacaggaa gctgggccag caggcctggc 300
tggtggcagc catcacagtc acagagcttn tcatcgnngn gaagtatgac ccgcacacac 360
tcacctgtc actgcccttc tacatctccc agtgctggac tcttggtcc atcctggtgc 420
ttacatggac tgtctggcgc ttcttctgc gggacatcac catgaggtag aaggagacc 480
ggcgacagaa gcagcagagt caccaggcca gagccgtcaa caaccgggat gggcacctg 540
ggccagatga tgacctgctt 560

```

```

<210> 165
<211> 556
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(556)
<223> n = A,T,C or G

```

```

<400> 165
actgaggtgg tgtatgagga cagccgcatg gttggcctga agggcccta tgtgtcaggc 60
ttcctggcct tccgagaggt ccttttctg gtggagtgg tacagcggct gcaagagaag 120
gaaccagatc tcatgcccc ggtcgttctt gtggatggaa acggggtgct tcaccaacga 180
ggcgttcggg gtggcctgcc accttggtgt cttacagag ctgccatgca tcggggtggc 240
cangaagctc ctgcagggtg atggactgga gaacaatgct ctgcacaagg agaagattgt 300
gctcctgcag gccggaggag acacatttcc tctgataggc agctctggga ctgtcctggg 360
aatggccctg aggagccatg accacagcac caagcccctc tatgtctctg tgggccacag 420
aataagcctg gaggtcgctg tgcgcctcac ccaccactgc tgtaggttcc ggatcccaga 480
acctatacgc caggctgaca tccgctctcg agagtacatc cgaaggactc tagggcagct 540
tgggggtggc cctgca 556

```

```

<210> 166
<211> 553
<212> DNA
<213> Mus musculus

```

<220>  
 <221> misc\_feature  
 <222> (1)...(553)  
 <223> n = A,T,C or G

<400> 166  
 gactgaggtt ggaaaaaggc agacatgac aataaaaata tgactcatca ggtacaagct 60  
 gagagagatg ccctggcact gagcaaaagc ccttttggtg tgcactctcta ttactcactg 120  
 cagtcagcan gcaacatcta cttgataatg gagtatctta ttggtggaga tgtcaagtct 180  
 ntccacata tatatgggta ttttgatgaa nagatggcta taaaatata ttctgaagta 240  
 gcattggctt tagactacct gcncagacat ggnatcatcc atagggatna gaaaccggac 300  
 aatatgctta tttccaanga gggtnatatt aaactgacag attttggnct ttccaaagtt 360  
 actttgaata nagacatcaa tatgatggat attctcacia caccatcaat gtctaaacct 420  
 aagcaagatt attcaagaac tccaggacaa gtcttatctc tcatcagttc tttgggattg 480  
 ttcacaccag ntggagaaaa agatcaagac tctgcaaaca tgtntncagc ccctaagtct 540  
 gctgcacaac ttt 553

<210> 167  
 <211> 551  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(551)  
 <223> n = A,T,C or G

<400> 167  
 gaactgagcc ccctagggcc cagaggttgg ttctgctgt gacatgectg ccatgtggcc 60  
 actttctcat gtctctggc ttgtctctggc ctgtggctct gtccacacca ccctgtcaaa 120  
 gtcagatgcc aaaaaagctg cctcaaagat gctgctggaa aagactcagt ttccagataa 180  
 acctgtccaa gatcggggtc tgggtggtagc nggacatcaa agctgaggat gnggttcttg 240  
 aacatcgtag ctactgctca tcaagggctc gggagagaaa ctttgctgga gaggtcctag 300  
 gctacgtcac tccatggaac agccatggct acgatgttgc caaggtcttt gggagcaagt 360  
 tcacacagat ctcaccagtc tggttgcaac tgaagagacg tggctcgtgag atgtttgaaa 420  
 ttacaggcct ccatgatgtg gaccaagggg ggatgcnagc tgtcaagaag catgccaaag 480  
 gtgtgcgcag atgctctcga cttctgtttg aagactggac ttatgatgat ttccgaaacg 540  
 tcttagacag t 551

<210> 168  
 <211> 547  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(547)  
 <223> n = A,T,C or G

<400> 168  
 gactgaggtt tagaaggatc cagcccgagg ctaaggtggt cacagaaggg agagtcagcc 60  
 atctgcagct aggagatatg cttaaaggaa agactcagca gcaaggagct ggggtgtgat 120  
 ggccggctcc cactgtggaca tggcgccagc ttccaccacc gaggggaactg gggaaaagcc 180  
 agggccact gcgccagcac ccaccccgagc tgetcagtat gagtgtgggg aatgccggca 240  
 agtccttcag gtggctcatc cggctcctgc accatcagcg cactcacaca ggngancgnt 300  
 cctataaatg ctcggactgc cnnaaancnn ttanggggnc ctgaancttc ctgtancacc 360



```

aaggtggcca tcctagggta ccgctccgta gggaagacat ctttggcaca tcaatttgtg 120
gaaggcgagt tcctggaagg ctacgatcct acagtggaga atacttacag caagacagtg 180
actcttggca aagatgagtt tcacctacat ctggtggaca cagcagggca ggatgagtac 240
agcattctgc cctactcgtc catcatcggg gtccatgggt acgttcttgt atactcgggt 300
aactctctgc gcagctttca gatcgtaaag aacctgtacc aaaagctaca cgaaggccac 360
ggtaaaaccc ggctgtcggg gctgcttgtg gggaacaagg cagatctctc tcctgagaga 420
gaggtgcagg cagttgaagg gaagaagcta gcagagtcct ggggtgcgat gtttatggag 480
tcgtctgctc gggataatca gctaactcaa gatgtcttca tcaaagtcac ccaggtggag 540
gg

```

<210> 172

<211> 538

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(538)

<223> n = A,T,C or G

<400> 172

```

aacttgtccc atctggnaca ctgtgcttgg ggctttagat gttcaagaac actctttggg 60
tgtccttget gttctgtttg tgaagttctc aatgcccagt gttcctgact tcgaaacact 120
attctcacag gttcagcttt tcatcagtac atgtaatggc gagcacattc gatatgcaac 180
agatacgttt gctgggcttt gccatcagct aacaaatgca cttgtggaaa gaaaacagcc 240
ccttcgagga attggcatcc ttaagcaagc catagacaag atgcagatga ataccaacca 300
actgacctca gtacatgccg atctctgccg gctttgttta ctagcgaagt gctttaaacc 360
tgcccttcca tatcttgatg tggatatgat ggatatctgg taaagagaat ggagcctatg 420
atgcaaaaaca ctttctgngc tactactatt atggaggaat gatctatacg gggctgaana 480
acttttgaaa agancgctgt acttttatga gcaggctata actactcctg cctgggccg 538

```

<210> 173

<211> 537

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(537)

<223> n = A,T,C or G

<400> 173

```

gccatgaaag aatcatnatn catttttatcc accacctctt cctcctgcaa caagagtgag 60
gccgtcctct ccatagngca gctgtaccac ctggttgatg gagtttctca cagttgcatc 120
atatttcacc atcaccgact ccatggactt tatcagcctt cgctgaatat accctgggaa 180
aggggaattaa ttgaaagacc tgaggtaaaa gcatgacaaa gctcaaaatg cagagaccaa 240
aattcanctt tagatggaga atccccattc ccatctccac aagagctcan aaaaggcctc 300
accagtctca gcagtcttaa cagccgtgtc aatgagacct tctcgtcctc ccatggcatg 360
gaagaagaac tcantgggtg tgagaccanc caagtatgaa tttntacaa agcctcgnct 420
ctcaggacca taatcatnct tgataaagtg aggaagagtc cgatgcttga atccaaatgg 480
gatccgcttg ccctctacat tctgtgtccc gacaacagca atgacctaa ggggatg 537

```

<210> 174

<211> 535

<212> DNA

<213> Mus musculus

```

<400> 174
actgaggcct ggtaggggag gagtgtgtag gtgccatcgt ttgcaagttg gatatgcaca 60
aaaagatgtt ccgcagaggt tatatagcca tgtagccgt ggactccaaa tacaggagaa 120
atggcatttg tactaacttg gtaaagaaag ctatatatgc catggttgaa ggagactgtg 180
acgaggttgt tttggaaaca gaaattacaa ataagtctgc tttgaaactt tatgaaaatc 240
ttggttttgt tgcagataag aggctgttca gatactatctt aaatggagtt gacgcactgc 300
gacttaaaact gtggctgcgc tgaggaactg acagcaagga acgactccac ccacacggaa 360
gcgacttttg catgcaatgc aatttgtgca gaattgcttt gcagggtggat ttagtgattc 420
ccatgcagct gttatctgtc agtgtccatt gagtgtcgca caatatttgc tgcactttgg 480
catggcgcac ttgttctgaa ttaaatgaaa ttgttttaaa cttcaaaaaa aaaaa 535

```

```

<210> 175
<211> 532
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(532)
<223> n = A,T,C or G

```

```

<400> 175
gactgaggct gttgaattgg ctgnctataa tgggnaagaa cctacattgt anaagagact 60
gttggnacgt atntttcaag catnaacctc cagggaannc cttttgtctc tggctttttg 120
ataggacagn gctcttcaca aaaggattat gtgattcttg ccactagaac accacccaaa 180
gaggaacnaa atgacanngt caaacngccn agagctaagt tggataatct ggatgaagaa 240
tggggccacag aacatgccan ccaggagtct ctgngncacc cntggcaaag cttgagcann 300
agaccttaac gcctaccccc ncagngacnc anttncnca acaaagctnt gcctactnca 360
ccaagaccac acttgcnat agnnccgttc ccctgcctg agcncagct tcaaacacat 420
gagngcattg gngccgtacc tattcacacc accacatctg ncangaagna ggaanagcat 480
agnngcgttg gggctggatc tngnaaaagn ggggcatcaa taaagatact gc 532

```

```

<210> 176
<211> 527
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(527)
<223> n = A,T,C or G

```

```

<400> 176
acgtgaaaaa attgtttcat cagctcatat gttgtgaaag ccacagcttg agaggggata 60
cagcggatgt agttcagaga taagccacgg tacaatcctc tccgaatccc atgctgtcca 120
tagacgtact tcatggtctc ccgcattgta ctgaaaggca gtggaaaatg atatagcaac 180
catccaaagg ggacaagcca ccacaagggt acaagacanc tcaagagccc agaacagctt 240
cgtttgtttg gatggttctc tcagacagaa tgggtgctctg cagcctgggc tagcttttga 300
ctataatctt tgcctcccca aatgctgggc aaagagggct atgccaccag aaccaaccta 360
gagtagcatt tttaaaggag gcttaactgg ttatggttgc tcaagcttac aatcttagca 420
cttcagaagc taaaaggagt ttcaagccaa cttgagctac agagatagaa tttgtatcaa 480
ataaaacaat aaatatttgc atatataaat acacacataa aaaaaaa 527

```

```

<210> 177
<211> 524
<212> DNA

```

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(524)

<223> n = A,T,C or G

<400> 177

```
gactgagtga tggtcagtct tcagccattc ctgtagccag tgtggagttt gcagccatct 60
gtctcagaaa tgccttggtg ctgttacctg aagaacagca agatcccaag caggaaaatg 120
gctccaagag cagcagccag cttggaggga acaccggaaa gcagcgagag cagcgagacc 180
gtgcagcagt aagagccatg atggagataa agttcattcc ctgctccacc gtcttctccc 240
gntgaggaaa cagggagtta agaaaacctt naagtgcctt attcttgctt gcagtgttta 300
tgtggctctg gcccttaggt gataancctc atggcttttg aaccatgcag atcagctcct 360
gcagcanccc aagctggctg gcttttntta aattttgggc ccatttataat ggccggagaa 420
agccccntnt cttcccttca anagggatnt gttgatgccn antaannnnc tttgaccena 480
aaaaaatgnc acttgatntc tttcttttgg ggatcttttt taaa 524
```

<210> 178

<211> 523

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(523)

<223> n = A,T,C or G

<400> 178

```
atgatggcca agaactggag cgctgctggg aacgctttct gccaggctgc ccaactgcac 60
ctacagctcc aaagcaagca ctgatgcagc cacctgcttt gnggacgctg gcaatgcctt 120
tcaagaaagc tgaccccaa gaggccatta actgtctgat gagagcaatt gagatctata 180
cagacatggg cagattcaca atcgagccca agcaccacat ctccatcgct gagatctatg 240
agacagaact ggtggatgta gagaaggcca tcgcccacta tgagcaatct gcagactact 300
acaaaggaga agagtccaac agctcagcca acaagtgtct gctgaagggt gctggctacg 360
ccgcacagct ggagcagtac cagaaggcta tcgacatcta tgagcagggt gggaccagtg 420
ccatggacag tcccctcctc aagtacagcg ccaaagacta cttcttcaag gcggccctct 480
gccacttctg cattgacatg ctcaacgcca agctcgctgt ttc 523
```

<210> 179

<211> 522

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(522)

<223> n = A,T,C or G

<400> 179

```
cagttccaaa cagtgcacct gcgggagatc tcaaccagc tggagaagtg gacatgaggt 60
tggcaggccc cctgcgcctc gtggccctaa tcatcattat gggctctacc tggatcctag 120
tcaccatcct cctaggtggt cctgggtgtg gccttctctg aattcagcag ttcttcacca 180
gccagagaa ctcagtgact gcagaaccaa gggccaggaa gtacaaatgc ggcttgcccc 240
agccttgctc tgaagagcac ctgagctttc gaatagtcag cggggctgcc aatgtcatcg 300
ggccaagat ctgcctcgag gacaagatgc tcatgagcag cgtcaaagac aatgtggggc 360
```

```
gtggcctgaa catcgccctg gtgaatgggg tcagtgggtga gctcctagaa gccagagcct 420
ttgacatgtg ggctggagat gncaatgatc tcttgaagtt catccgnca ntgcatgaag 480
gnaccctggt gtttggggca tcctatgatg atccagctac ca 522
```

```
<210> 180
<211> 521
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> (1)...(521)
<223> n = A,T,C or G
```

```
<400> 180
gactgagatc cagttgtggg acacggcagg gcaggagcgg ttcaggaaga gcatggtcca 60
gcactactac aggaatgtgc atgctgtcgt ctttgtgtat gacatgacca acatggccag 120
cttccacagc ctgccggcct ggatagagga atgcaaacag caccttgctg gctgaacgac 180
ataccatcga attctgggtg gaaataaatg tgacttgaga agcgccattc aggtgcccac 240
agactnnnca cacaagtttn ttgactcacn ctattttgcc tntgcnnccc ancccangtg 300
nataccnctn tgnttttgac tcaactgaaa tctatattca tgaccttacn ccanaagcca 360
aagaccaca agccattgat gcttnnccag ctgncgtgata acagaattag cctgaaacct 420
gagaccaagc ctgcggtgac ttgctgggtg tgagtcatag gtgtggccat tgcgggtctg 480
acttacctga agagatgatt ggaagtgtg acagtgatga a 521
```

```
<210> 181
<211> 520
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> (1)...(520)
<223> n = A,T,C or G
```

```
<400> 181
ccgtggctcc acatactgct gcaccactnt gagcacanac tntgnctanc tnatggtgtg 60
nccntgcnnn tactggtnct ncntatancc anttgntant naaacctttt atactcttgg 120
gcaangnatg ttctgttctt gaaaganngg gggggcccag aagtccagaa tgctgtgtgc 180
aaccagcgg ctgggactgt catcctgctg gaaaacctcc gctttcatgt agaggaagaa 240
gggaagggaa aagatgcttc tggaaacaag gttaaagctg agccggccaa aattgatgct 300
ttccgagcct cactgtccaa actaggagat gtctatgnca atgatgcttt tgggactgca 360
caccgagccc atagctccat ggggggngtg aatctgccac agaaggctgg gggatttttg 420
atgaagaagg agctgaacta ctttgccaag gctttgggag aatccagagc gacccttcct 480
ggctatcttg ggaggcgcta aagttgcaga caaggatcca 520
```

```
<210> 182
<211> 516
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> (1)...(516)
<223> n = A,T,C or G
```



<400> 182  
gactgagggg tttatgacgc ttnaggctgt ggctgaatct ctgacctggg aagcagtggg 60  
aacagctggc tgcanntcgg aaagggtttct gtgaanagag cacaaaggac gctgggnagca 120  
cagttgtgcc tggcttggaa acacnaactg tgaacacaga tgtgattcta aagcaggana 180  
ttttaaagga ggcagancca caggcatggc tacaagaagt atcccaggta atgggtccan 240  
cacttaccan atgtgngnac cncctctgagg actgggaana aaagctgcc aagctgctg 300  
tncgtctgcn gctccagggt tntgaagagc nnggacacac gtgncatccc gnttctcatc 360  
gntgtgtcca gagaggaaag ggactctaan aacaatgagt ctgagaacag tggcagntct 420  
gtnccttggtc annacatcca gacagcanaa ggactggnga ccaacagtca gtgtggggat 480  
gaccacanac aagntncca tgtgaaatgc cattca 516

<210> 183  
<211> 515  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(515)  
<223> n = A,T,C or G

<400> 183  
tactgccect tcgtggtctc cttccataag cactactatc cctgggtcca gctttccgga 60  
cacgctggga acttccaggc cgggtaggat ggteggattc tgaaacgttt ctgtcagtg 120  
gagcagcgca gcctggagct gctgatggga gacccctgc gcccttttgt gcctgcttat 180  
tatggcatgg tgcagcggga tggccaggcc ttcaaccaga tggaagatct cctggcagac 240  
tttgagggcc cctctatcat ggactgcaag atgggcagca ggacctacct ggaagaggag 300  
ctggtgaagg ccagggaaag acccaagccc cggaaggata tgtatganaa gatggtgggc 360  
agtggacccc ggggctccca cccanaaaa gcatgctcaa gggngccatt cacgaagccc 420  
ccgatacatg cagngggngg gagaccctga ntttnacttt ccacgcttgg gcttttccgg 480  
attngaaggn catcaanaaa ggctgatggg acctg 515

<210> 184  
<211> 508  
<212> DNA  
<213> Mus musculus

<400> 184  
aggagaagcc caagctccct cccagcaggg cccagtcctt gagctatgcc ttagcgacca 60  
ctgatgcttc ctacttaagt tccattgtcc gactcttcaa aaacctcaac ttcgtgctgc 120  
tggctcatcac ctatggtctg aatgctgggt ctttctacgc cttatccact ctgctgaatc 180  
gcatggtgat cttgcacttc ccgggggaag aagtgaatgc tggaagaatc ggtctgacca 240  
tcgtcattgc aggaatgttt ggtgctatga tctcaggcat ctggctggat aaatccaaaa 300  
cctacaagga gacaacctg gtagtgata tcatgactct ggtgggcatg gtggtataca 360  
cattcacctt gaacctgaac catttgtggg tagtattcat cactgctggc aactgggct 420  
tcttcatgac tggctatctg cccctggggg ttgagtttgc tgtggagctc acatacccag 480  
aatctgaagg cgtgtcatct gacgccag 508

<210> 185  
<211> 507  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(507)

<223> n = A,T,C or G

<400> 185

```
ctgccaggaa gcaactgggct ggtgtccata tnanagaagn atnaccntnt atggagactt 60
ctgctaata gcaaaacaat ggtggatgag ctctttgcag aaattgtgcn ggcagatgaa 120
cctatgcagc tcagcctgac aaagatgacc catgctgttc tgccctgtaac atacaatagc 180
atccgaacat ggccctgccc ggacaggatt cgtctaggct cgtaggcaac agtaaccttg 240
tctactgcac tgcagtttgt aggatgggtg gtgtgtgagt ccacggtgca ctgcaacctt 300
caggccgat ggccagctga tgccctctgag tacctgtggg ttccgtgact acagcctcca 360
cttctgtcct cagtccttgt acatctgcaa cctgaaggcc ccaccgcaa gctacagggt 420
gacctcattt gacgtgatga tggcattgct gttgaggatga cagaagccac tggtgtgtaa 480
actaaaaata atcatgagag agaaact 507
```

<210> 186

<211> 504

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(504)

<223> n = A,T,C or G

<400> 186

```
actgaggtgg tgaattctta ctctgttggg aacacaggaa cttttgtgag caggaagtat 60
gcctcccaag ttcaagcgcc acctaaatga tgatgacgtg accgggtctg tgaaaagtga 120
gaggagaaat cttttggaag atgattcaga tgaagaagag gacttttttc tacggggacc 180
atctggacca agatttggac ctagaaatga taaaattaag catgttcaga atcagggtgga 240
tgaagttatt gatgtaatgc aagagaatat tacaaaggta attgaaagag gagagaggct 300
ggatgaacta cnggacaaat canaaagctt atcggataat gccaccgctt tcagcaacag 360
atccaaacag cttcgaaggc aaatgtggtg gcgtggatgc aaaataaaag ccatcatggc 420
tttggctgca gcgacccctt tgctaattgat tatcattctt atanttgtga aattccgtac 480
ttgatttgat gacagagacc ctga 504
```

<210> 187

<211> 501

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 187

```
gaggagtccg ttcgaactgg accaagctgc cccacctctc ttcagtaaag tggttattgt 60
gttgatagat gcattaagag atgattttgt gtttgggtcg aaagggtgta agtatatgcc 120
ctacacaacg tatctggtag aaaaaggagc atctcatagc tttgtggctg aggcaaagcc 180
accacagtt actatgcctc gaatcaaggc ggataaaaaat gtcacaaggc atttggacaa 240
agtattaaaa agaggagact gggatgtgtt aatccttcac tatctaggac tggatcacat 300
tgccacatt tctgggcca acagccccct gattgggtcac aagctctngc naaatggaca 360
gtgngctgat gaaaatccnc ctttactgc tgntcgaaag gactgaaaga ctctcttacc 420
cagtnegctg gntctcnngt gncgaccatg gaantgncet gnaactgcna gcntggcgcn 480
cctctttcac ctgaggaagt g 501
```

<210> 188

<211> 500  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(500)  
 <223> n = A,T,C or G

<400> 188  
 aactgagcat cctaattgtcc tatgatcatg tggagcttac cttcaacgac atgaagaatg 60  
 tgccagaggg cttcaaaggg accaagaaag gcaccgtcta ccttactccg taccgggtca 120  
 tctttctgtc taanggggaag gacnccatgc atntccttta tgatgccctt ttaccngatg 180  
 aaggacntgt gatattaanc acccgnggtt nngngccanc ttnattaagg gaatagtga 240  
 ggctgaagca tgangtgntc ggaaaggntn cncntcntac annctgacct tnacagcagg 300  
 gggcgccatt nagttngngc anangatgct ncagntngna tntnnagcct tcnaagggtga 360  
 agtccccaat gggagtacta tggctacttg ttanatgcnn agcgnggcct aagtgtttac 420  
 tncgncagtc gnaaatggga atgtacncct gcanntcntg nntatggnta tacagcaccc 480  
 gcgacccgga gtgctatcca 500

<210> 189  
 <211> 497  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(497)  
 <223> n = A,T,C or G

<400> 189  
 ctctgagcc cttgccgctg tgacggntca gtgcgttgca cacaccaacc ctgcctaatac 60  
 cgctgggann agtgagaggg gctcatggag ctgtgagctt tgctacttca agtaccaggt 120  
 cctggcgatc ancaccaaga atccactgca gtggcaggcc atctccctga ccgtnatcna 180  
 gaagggtccan attgctgcta tgcgtcctggg atcgctgttc ctngnggggn gnattctctg 240  
 gctcatctgg ncctcgctca gcccttcagc caagtggcag cgccaggacc tcctcttnca 300  
 natattgctat ggcattgtac gcttcatgga tgctgtcttc atangcctca tcgtccacga 360  
 agggnccttct gtttaccgna tcttnaatcg ctggcaggcc gtgnaccacc agtggaaagt 420  
 nctgnnctat nacaagacca aggacgtggg aggagacaca gggggagggg cggcagggaa 480  
 nccaggcccc aggacct 497

<210> 190  
 <211> 495  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(495)  
 <223> n = A,T,C or G

<400> 190  
 cccactgggtg caacctagag cgatccatnc ncntgcncnn ttactacctg naccntatan 60  
 tantncagcg aggaatcctg cnccaacntc cactnggtng atacanctgg ggnacacaact 120  
 attantaatg ctgagccgtt ganaaccatg nnnnnnnntn gnanacanga ggaggacttt 180  
 gtgtcnttac acacctcgag acaaggagag ccttcatgag aacctcaggg accctagtcc 240

```

aggggtcaag gctgagaatc tggagctggc catccagaaa gaggtgaggg cctgcgagtg 300
gcgaccgaat gagagcacct cctcctagct ggcctaggat atctgagctg cgactccagc 360
ctgtagccca gttctccagt catgcccctg aaaccattct gggggtggga gctactcagc 420
cttctncagc gtcacactcc ctgacttttag ngccctgctg ggggtgagcgg ntcttccatc 480
ccagctaacc ctcta                                     495

```

```

<210> 191
<211> 489
<212> DNA
<213> Mus musculus

```

```

<400> 191
actgagtgtg gatctgcagc agcaaatcat gactattgta gatgagctgg gcaaggcttc 60
tgccaaggcg cagcacctcc ctgcacccat caccagcgct ttgaggatgc aaagcaaccg 120
gcacgttatt tacatactga aggacacctc agcccgaccg gcagggaaag gagccattat 180
tggtttcttc aaagtgggat acaagaagct ctttgtactg gatgaccggg aggctcacia 240
tgaggtagaa cccctttgca ttctggactt ttacatccac gagtccgtgc aacggcatgg 300
ccacgggcca gaacttttcc agcatatgtt acagaaagag cgagtggagc cccaccaact 360
ggccattgac cgaccatcgc cgaagctgct caagtccctg aataagcact acaacctgga 420
gaccacagtc ccacaggtga acaactttgt catctttgaa ggcttctttg cccatcagca 480
ccgtccagc                                     489

```

```

<210> 192
<211> 488
<212> DNA
<213> Mus musculus

```

```

<400> 192
gaactgagct gaagatgtcc acctgcttgg tcagctgccc cactctgatg aagtgttccg 60
gcagatatgc agctgaggcc tggaaacagga agcactgcct gccgtcatca ttaggccagg 120
ggctctgcac cggaagctta cctgaggcag agctgcatct ctgctgttag gaatctgtcc 180
atggaccctg gactggagcc ggccacctgt gggaaaatac acagcccctg aagaccatc 240
caccctcagc ccccgccctc actgctccct gcagacacc ccaacctcacc tccctgagct 300
tcttgaaggc gaaggccaca ccgttccctt gaccctggta gatatcggca aagggtgccct 360
cgctgattcg gtggctttgg tcaaagtcc cagttgcttg gacgacatct gcttactcct 420
agaaaagcct gtctccgggc aaacccaaaa gcctttcttg cttgggggca gatgtggaag 480
tactgctg                                     488

```

```

<210> 193
<211> 483
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(483)
<223> n = A,T,C or G

```

```

<400> 193
atttttcagt tgcattttta agnangnagg ctcatggtgc aaattgttat ttccaggga 60
tccctgtgct gatcgtgggc catcatatcc tgtatgggaa aaccatccac ctggagaaac 120
cttttgcagt cttgtcaaaa cacactcctg ggaagcagga ctgtgatgag cccggtcgag 180
ggactggcac ccagtacttg gtgacagcac tcatcaaaaa caagatcctt ttcaaaactc 240
gccccaaagg tattatcacc aacgtcccca agaaagtatg aaagaacccc ggattttccc 300
tagagagcga ccaactcctt ggactcgtgc tccattgcca cctcgaggac ggctggacgg 360
agggcctgtt atgaacgcag gccacccaat ggggtgtgaac tcagatcctt tccttatggc 420

```

agcaggttct cttggtggaa acctggctcc atttccaagg gaatgcagct ccttttcaga 480  
atc 483

<210> 194

<211> 481

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(481)

<223> n = A,T,C or G

<400> 194

gaccatgcac tgactcacag tnntgacaga agtcttnttn ataccagta agggacactg 60  
cctcactgcc atcncnagcn ancgctntnt canttcatgn gccacttgnc acanaagaaa 120  
nggtngcggc tgagcaanca cgtgtngcat cgctgtttga gaacaagnct gagggacctg 180  
ncnatgaagg acnttacaga naacnacttn ccanaaacat nagtttttgt tagctagaac 240  
agcacgagtc accttcatgt ccactgacga tgggtcaccc tgctgnagcg nccactcata 300  
aaggacaang gcggtggangt ccgagctttc tcgaccatct agaactaccc cgtctgtggg 360  
cagatgtaaa accacatcct tcccagcctt gctaacggga ggcttgcct catctgtgaa 420  
agagaagaga caggagaggc atgcctctct gattccccag ctgatgaaca gcaatagctc 480  
t 481

<210> 195

<211> 468

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(468)

<223> n = A,T,C or G

<400> 195

agttgcgcat gcccccaagg tcaanaagcc agggaggaag ccatagncnc ctgncacctgn 60  
gaaagcagag gccgccactg ntgaanggan accgtaatnc ctcacctagc tctggtgnca 120  
nctccagccc accaggtccc accctgaggg cccggntgcg caacctgtta gaaaatgcct 180  
ggctcaacgg ngtggcactg cctacttggg gtcacaaggc ctccggagca gatnngacct 240  
tcgcctcacc cccagctctt gggcangnca gacccatnat cttgtancat tgttaccagg 300  
gctatttgtg gaacagtccac catcncgggn gactgntgna gnaccttgnc cttgacatnc 360  
atnctgcccc gggctaaggn gttgnatnat nagnntgga gcncancct taaccngggc 420  
aanagaactt tgcttgaacc ttttnaaact tngaaggatc acctttct 468

<210> 196

<211> 467

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(467)

<223> n = A,T,C or G

<400> 196

gctgcttcct acctttgact ggagacgtgg nctacctcat cgtagacacc ccgcctggca 60

```

cgtctgacga acacctctca gtggtccagt acctggctgc ggcacacatt gatggggcag 120
tgatcctcac caccctcag gaggtggccc tccaggatgt ccggaagag atcagcttct 180
gccacaaggt gaagctgccc atcattggtg tggtagagaa catgagcggg ttcattctgcc 240
ccaagtgcaa gaaagagtct cagatcttcc ctcccacgac tgggggtgca gaggccatgt 300
gccaggatct gaggattcca cttctgggca aagngccgct ggatccacac ataggcaaga 360
gctgtgacaa aggccagcnt ttttttgtcg aagcctccag atngaccagn cacagnctnn 420
ctacngaagt atanttcaga ggatnccgag acttttgtta ttctcat 467

```

<210> 197

<211> 460

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(460)

<223> n = A,T,C or G

<400> 197

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gatctgagtt cgtgcccttc aggggtctatg tggaccgcac cggcaaccac gtactgagca 60
tgccccgect ggcccgggat gttctggctg agattccgga ccaactgntg tntacatga 120
aggcacaggg catncgcca cgccnccan ctgctgcacc cgctcagtca cccccacagt 180
nccanccca ctcacctcct ggatccccg tgcacacgca tatctgaagc tgagaggacc 240
aagggcctgg agggtaggct gacaccctan aataatanta naaaggcttc ccnttntttt 300
gcttngaggg ccagcnnnaa atgggggtgtc agggngcttac accacttgac acncaaattc 360
aggggactgt ggtatacaaaa acaagnngta cacngattat ggggctgagg ggaccacccc 420
tagtccatgc cngacaactn cnagactttt ttattttttgc 460

```

<210> 198

<211> 460

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(460)

<223> n = A,T,C or G

<400> 198

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ctgtggcaga agtaaaactt cnagtatgac cagtatacat tagaacacat gcatgctttt 60
gggatgtata attatctgca ctgtgatgcc tggatatcaag acagtgtcta ctacattgat 120
aaccttgga gaattatgaa cttaacagtg atgctggaca ccgccttagg aaaaccccga 180
gagggtgttcc gccttcctac agatgtgaca gcatatgaca atcgtctttg ggcattctatc 240
catttcacat ccccttcctg gggttaccttgc tcagatggaa ctggaagact gtatgtcatt 300
ggaacagggtg accgtggaaa cagtcctgaa aaatgggaga ntatgnttna tgaananttn 360
ggaanntctt ttnttatnnn tnnccagtatc tcaactgnga gagntgaaga acnttgaggg 420
nctatcctgc tntnttnaat tgagaaggag gaattggacc 460

```

<210> 199

<211> 459

<212> DNA

<213> Mus musculus

<400> 199

```

actgagggat ggatccgggtc cgtcagatcc cagaggaagt tttgttctg catgtaaattg 60
acggatcttc tttggaaagc cttcagattg ttgcggattc aagcttcgac agtagagaat 120

```

tgacttttgg	gagttctgtg	caagtccaag	ggcagcctgg	tcaaaagtca	gtccaagagg	180
caaaatgtgg	aactgaaggc	agaaaagatt	gaggttattg	gagactgtga	agccaaggca	240
ttccctataa	agtataagga	gcgacaccct	ctggagttac	tgagacagta	tcctcacctg	300
aggtgcagga	ctaattgctc	gggttctata	ttgagggttc	gcagtgaagc	cacagctgct	360
attcattcct	acttttaagc	caatggcttt	gtgcacattc	atccccagt	actcacatcc	420
aacgactgtg	agggggcccg	agagcttttt	caagtggag			459

```
<210> 200
<211> 443
<212> DNA
<213> Mus musculus
```





```

<400> 205
gactgagaag gcggctgggc tttggcgcag ngganaccaa cctaagtttt ctgccttgga 60
gatgctggag aattcgctgt ncagccccac ctgggaagga tcccagttct gggtaacctc 120
gcagaagacc gaggtttctg aacgctgcgg cttgcaaggc tcctacatac tgaggggtgga 180
agctganaag cctgactctc ctgacttttg gtgcgcagag tcaaattcctg gagccgctcn 240
ttttctggcc ctacactctg ttgcgtcgct atggccggga caaggtgcat ggggctgtct 300
gggaggatga cccgtcaggg agggctacca ggttgagtag ctgtaggtga caattccatt 360
ctcagtggtg ctcttctgtg cagatacagt aaaaaaaaaa 400

```

<210> 206

<211> 399

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(399)

<223> n = A,T,C or G

```

<400> 206
aatccccaga ggggcatgca gntgcacact gtaggctgtg gcacctgcct ttgacttcca 60
caaagagatc gactacatgt tcctggtggg cacagaagag ggaaaaatct acaagngctc 120
caaatcctac tccagccagt tcttggacac ctatgatgct cacaacatgg cagtagacgc 180
tgtgctatgg aaccataacc acaccanggt cttcatgtcc tgcagctctg actggacagt 240
gaagatctgg gaccacacca tcaagacccc catgttcatt tatgatctga actcagccgt 300
gggtgacgtg gcctgggcac cgtactcttc cactgtgttt gcagcagtca ccacggacgg 360
gaaggcccat gtgtttgact tagcgggtcaa caagtatga 399

```

<210> 207

<211> 391

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(391)

<223> n = A,T,C or G

```

<400> 207
ggccctgcgt tgatgtggac gccacagtca nntgcnggn anatggagct acccacggtg 60
tnggtgatgc ccanggacag ngcacctcna tccttacngt atctgcanct gccaggagcn 120
tgnntgcngt cncacctgca acacnagcga tgcttgggcn actctgaggn catggnatca 180
nntggagnac gccttcncct ggtgtgaaga tgacatctgg gaaaggctca ctcagctatg 240
gcaaagtact cctcccttga ccagaaccac atcgctccat gctacccctt gctggacagt 300
gtgggcactg cacatagctg gcctagaggg cttggacaca gccaccacc agctgactat 360
aaagatagga ctctcaaccc aaaaaaaaaa a 391

```

<210> 208

<211> 390

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(390)

<223> n = A,T,C or G

```
<400> 208
actgagtttt tgggaataac gtttcttgga atcggactgt gggcgtggaa tgaaaaaggc 60
gtcctaactcn ancatacnngt ccatcaccgn cctcgnnggc ttcagaccca gngtgnccctt 120
gntcctttgtg gttggnagga gtgatgtncn ttcntgnggt tgtncagggt gcatncggag 180
cacctttctgn acnanacngt ttcntntcaa gttntntngc tgtgccctn ggggatcatt 240
ctttttctgg aactcacctg ntgggntgtn ggcntttgtn ttnaaanacn ggatnaaaga 300
ccagctnnat ttctttatta acaacaacat caagagccta cagagatgac attgatctac 360
agaacctcat agacttcacc caaggaatat 390
```

<210> 209

<211> 386

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(386)

<223> n = A,T,C or G

```
<400> 209
ggggaatttg tgaccagnaa gtgtgagagc cgacagggcc gtcaccagtg cctctgtgaa 60
gaaggttata tcctggagcg cgggcagcat tgcaaatacca acgacctcct tcagtgcggc 120
ctccattatc ttctctaattg gtcgggattt gctagtgtga gatcttnatg gaagaaactt 180
ccggattcta gcagagtcta agaaccgngg aatagnnatg ggagtggatt ttcactatca 240
naagcacaga gtttttttga cagaccccat gcaggcgaag gntttttcca ctgacattaa 300
tggcttaaat acccnacaaa ntcttaatgn ttctattgat gctccagaga atctggctgt 360
ggattggatc aataataaac tttatc 386
```

<210> 210

<211> 380

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(380)

<223> n = A,T,C or G

```
<400> 210
actgaggctc gtcccatga ctaaaactgaa tgcccaagtc aaaggctctc tcaacatcac 60
cactcccggg atacagatat ggaggatccg aggctatgca gatggtacct gttccttcca 120
gcaccttttg aagcttcttc gatggtgact gctatgtagt cctggctgta ngtggaacag 180
gccaggacag gtccgtgtcan aaaagcanag cctgntgggn attagggang aagctanagg 240
ctgggggcag ngntgatgna tggcttagct tcattagtca ctgttaagcn agagtgacca 300
ggactacagc tgnnggggctc catgggggctt agaaatgttt gnaaaagtcc tttctagctn 360
aagagctaaa aactcattca 380
```

<210> 211

<211> 366

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(366)

<223> n = A,T,C or G

<400> 211  
aactgaggaa agaatcccaa ctccattgnc acatggcctg gccgacggag cggctgtatg 60  
atcgtcataa ctccatcct ctctgccctg gccggcctct tgctcctggc tttcctggca 120  
gcttccacta cgcgtttctc cagcctgtgg tggcccgagg aagctcctga gcagctgcgg 180  
attggctcct tcatgggaaa acgttacatg actcaccata tccncccag cgaagctgcc 240  
aactgncgg tgggctgnga ncctggncctg gaccccttc ccagtctcag cccgtagcct 300  
ggtctntgta ncttggncct ggggtgaggg gcagagagca gatgtgcagg tcctgtgggg 360  
tggggg 366

<210> 212

<211> 351

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(351)

<223> n = A,T,C or G

<400> 212  
cagaccctgg acagacacct gcggtaaactc acagaaagat ngcnacccac ccctacntgc 60  
cccagnatnt tgccagnag acttcatttn cttgngcant ggancacca angccagaag 120  
aaagggctcc gaaatatnaa aattattttt cagcctncga aacaccctnt ttaaaaagan 180  
aattgagttg gtaccnagga cgaaggccaa gaaccgcttt caccataac caggnccaag 240  
tattggaaaa tgtnttagg gggaacngct acccttgctg tgacctnaga gnggagctan 300  
ctcaaaagct nanttagagg aagacagaat ncanatttgg gtccacaatc g 351

<210> 213

<211> 344

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(344)

<223> n = A,T,C or G

<400> 213  
gatgtgcagc ccccataggg caggagccga gatggcctgc tgacagtga cctgcggggag 60  
ggttccccgc tgcacctgtg cgctgagacc cgggatgatg ccataacatg gaagactgcc 120  
ctgatggagg caaatccac cccggtncgc gtctacagcc catatcagga ctactatgag 180  
gtggtgccac ccaacgcaca tgaagccaca tatgtccgca gctactatgg gccaccttat 240  
gcaggtcctg gtgtgacaca cgtgatagtt cgagaggacc cctgctacag ctgangagcc 300  
cctttggcca tgggcatgct tgctggggct gccacgggga cgtc 344

<210> 214

<211> 340

<212> DNA

<213> Mus musculus

<400> 214

tggtgtgca gctgccgcca ggtgaagatc tcaacgactg ggttgccgtg cacgtgggtg 60  
atttcttcaa tgcacatcaac ctcatctacg gtaccatcag cgatggctgc accgagcagt 120  
cgtgccagct catgtccggg ggccccaaagt acgagtaccg ctggcaggac gagcaacgct 180  
tccggaagcc cacggcgctg tccgcacccc gctacatgga cctgcttatg gactggatcg 240  
aggtgcagat caacaacgag gacatcttcc ccactaatgt cggcacacca ttccccaa 300

ccttctctgca ggcagtgccg aagatcctgt caaggctgtt

340

<210> 215

<211> 332

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(332)

<223> n = A,T,C or G

<400> 215

gactgagatt agcacagtga tccagtctcg agtgaatgac caggaaggcc gagtaagaat 60  
tctatgttca ctatgtgggc tttaacaggc gactggncga atgggtggac aagaaccgac 120  
tcnnaactgac caanacagtg aaggatgccg ngcntgaaga acatctgaca aatacctgag 180  
tgagcttggc ctgagcagcc agagcccaag atcacctcna aaccaataag cgaaagcatg 240  
atgagatnaa ccatgtgcag aaggncatg gcccctccct tctcaggacc atcacaacaa 300  
agccatagca actcccatgt gaaaaaaaaa aa 332

<210> 216

<211> 328

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(328)

<223> n = A,T,C or G

<400> 216

actgaggtgg ggtcttttctg agagacatgg agctgntggg acagaacgaa gtggaccgcc 60  
ggcagcgcan gttggtcatg ctgagccagg actgcgttct acaaggntct gacggccgag 120  
cagaaggcca aggcgtttga agggacagta caattttaga ccacncagat gcattttgat 180  
aatgatctgg tgcacaagac cctgaaaaac attgntgaag gcaaaactgt cgaggtccct 240  
gcctatgatt ttgtgacca cncaaggtta ccanaganca cntgtggnnn acccagctgn 300  
tgtngnttct gttcgagggc atcttgga 328

<210> 217

<211> 323

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(323)

<223> n = A,T,C or G

<400> 217

gactgagata ttactctgga gagaaaaggc cccggttctc accatcttca ttggaggaaa 60  
ccatgaagcc tcaaaccatt tgcaagagtt accctatggg ggctgggtag cgccgaatat 120  
ttattattta ggcttggnat natggtgcan nataccnngg agtaaggana ggtggcncca 180  
tctggcctat ttaaatcnca ngattataga aaaggtcatt ntnanngccc cccttataat 240  
ncatctacca taaggannat atgtcatgtg agaantatnn agnnntacat tttaaaaacag 300  
ttaaagcaaa ctaaaaaaga aga 323

<210> 218  
 <211> 323  
 <212> DNA  
 <213> Mus musculus

<400> 218  
 tgagatctta gcaaagctat gtctcaagat ggtgcttctc agttccaaga ggtcattctc 60  
 caagaactag aattatctgt gaagaaagaa ttagaaacat atcttctgtg ttgaacaagt 120  
 tgggtggtagt gaaactcaat ggtgggtttgg gaaccagcat gggcctgcaa aggccctaaa 180  
 agtatatgcc tgggaactgga ccacctcact gtttcaggag atgtgacatt tggaaaaaat 240  
 gtttcactaa agggaacagt tattattatt gcaaatcatg gtgacagaat tgacatcccc 300  
 ccaggaagat tataaaaaaa aaa 323

<210> 219  
 <211> 319  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(319)  
 <223> n = A,T,C or G

<400> 219  
 ggacagctag tgaccgtaaa cccctntggg cancgcnngg gataagcttc cgaggggact 60  
 gtggaaggag ccgcggctcg cacagngnac ctcttgccct gcatcccagc gaggactttt 120  
 tggtaagatg taccgggatt cttcattttc ttaaagccct gangtgnaga gaactaaagg 180  
 acggttcttg atggnacnct canaaaacnnn nttacacccc anncccaactg ntccctngca 240  
 ctccgtcaag gctcgcttct gttccaactc atctgcgaat tncacaaaac catagcccct 300  
 ggagggaaaa aaaaaccaa 319

<210> 220  
 <211> 317  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(317)  
 <223> n = A,T,C or G

<400> 220  
 gaactgaggt ggggtcttta gcctcctccc agggggcccg cacacgttcc acttggtgca 60  
 ccaccactga tgctcctga ggggtgtcca cgtgcacgct caccatcgat gctactcctg 120  
 agcagaggca agatggacaa tgggatatat ctacacgagc tctgacttgc taggagtaga 180  
 ttggagaggg cncaccttnn nangggctca cnganagaac catagatagg aaaaaaggac 240  
 ntggagnnta nggnaggaan ncncnantga tagggncatt gnttaatntn tnangettatt 300  
 nactgcctg cccttgg 317

<210> 221  
 <211> 315  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature

<222> (1)...(315)  
<223> n = A,T,C or G

<400> 221  
ccagcctgag ccccgncctg gggcacagag nttgctncac ctgcagnctg tncctgcngg 60  
acctcaccgt cgcncgcgtc gagtgcattg acccctcagn ggtctttccc taccgcgtca 120  
acgacagcag ctgcgccaaa tctgtacct cgtccgattc cagggccttc tctccttctt 180  
cggactcgct gctgtcctcc gagtccctcc caggggccag ccctgagccc ctagtgtctgc 240  
atgaggagac accgcccacc accagcagcg actctgaaga agagcaagan gatgaggaag 300  
aaattgatgt ggtgt 315

<210> 222  
<211> 309  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(309)  
<223> n = A,T,C or G

<400> 222  
gagcttcaac atccaggcca ggtctctgcc tcagaaagtc agtgcgaccg ccattgtccc 60  
ctgcctctca cctcctgggt cactggtatt tgaggatttt gctaacctga caccctttgt 120  
caaggaagag ctgagattcg ccatccagaa taaacacctc tgccatcgga tgtcctctgc 180  
gctggagtca gttaccgtca acaacagacc cctggagatg tcagtcacca agtctgaggc 240  
ggccccctgaa gaanatgaga gganaaggag gctggcgaga nagaaataaa attgctgctg 300  
ccaagtgtc 309

<210> 223  
<211> 307  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(307)  
<223> n = A,T,C or G

<400> 223  
gggaactgcc taggacttgc ctacttttca ctgcaggaag tcttctgac tacagttgcc 60  
agnagacgga agcacacacc tttaggnaga tcgtttacat taagctggna gagcccttgn 120  
ctgcttgctc taaaatgctg aggnactggg gagagatacc aataccgtaa ggacagacca 180  
acagaagttc ctttgatctg ctcccacggg agttccgtnt ggtggaagnn catgaccgc 240  
ccctgcacca gccctcagcc aacaagccga agccccccac gatgctggac attccctcag 300  
aacgtg 307

<210> 224  
<211> 303  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(303)  
<223> n = A,T,C or G



tgtgctggga caacacgtgt cattttaagt gcttagggga aacgtgggtt gccctttgtc 240  
 ttgctccatt attgcagaac acttttgtgt gt 272

<210> 228  
 <211> 271  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(271)  
 <223> n = A,T,C or G

<400> 228  
 atgagttccg caggcatgga actgactagc tcccaggaca ggaaggcttg gcaagttatn 60  
 agttttttgc ctaagactgc caagtgattg ncaggataac attggaaaaa agaatttgac 120  
 cctggnatca tcttcccgcg ggtcagattg gttaatttnc aatcaaagca tcccagaagn 180  
 acccatgaag caaagaaggc cctgtcaggg cagctnctgc tgtggggcga tcctatgtgt 240  
 gtggaaatct actcaagact tttgaggag a 271

<210> 229  
 <211> 270  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(270)  
 <223> n = A,T,C or G

<400> 229  
 gtgtattacg cacatcggct ggcannnnng agaacagana gggactgncc atgncacctg 60  
 nggtcgtggn ancaatanag agggcgattt ggnaaagntt tcntggaacg cagnggtgac 120  
 ccggnctgac agngggcact tgtatgccat gaaagnntta aaganggccca cgctgaaagt 180  
 gcgtgaccgn gttcggacca agatggagag gaagcagnan agcanttttg gggaaacctg 240  
 ctgtctgcca ctanacagag atcacaggag 270

<210> 230  
 <211> 263  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(263)  
 <223> n = A,T,C or G

<400> 230  
 ctgagcaaca tagggcgggc gcatgaagcg cttgggagac tttctgaact tggaaaactt 60  
 tgatctggct ctcttgatg agngtgagg tgagcaggac tnncagaacn tanggcnnag 120  
 gcgtatcttg ttcaacctatc nagatgcaca cgtacgttca naagcgngga tnanaggcaa 180  
 agtnctcatg ggcnntctc nnnncnccan tcctgganag gattccanct tgtctacagg 240  
 cgtgnatggt gaccaaatac atg 263

<210> 231  
 <211> 262



<212> DNA  
 <213> Mus musculus  
 <220>  
 <221> misc\_feature  
 <222> (1)...(262)  
 <223> n = A,T,C or G

<400> 231  
 gaactgagat ctccgtctcc cggaaccagg gctgctcatc tcgtgaggag aaaatcttga 60  
 ccgccacgct ttcgccatgc cacgaaccgc gccacacctc gccatatcag gccctttcct 120  
 aatccatggc caagggaaga ataaggatca catactagac acacatagcc ctagaagacc 180  
 ccaccccaat tctggatgct ataaagatcc cctctgtaaa aatcggattt tttttaanct 240  
 tttttttttt tttttttaa aa 262

<210> 232  
 <211> 247  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(247)  
 <223> n = A,T,C or G

<400> 232  
 tgaagttaac gttacgcgct ctgccttaca aactgnaacc agctcaatac gccgctttca 60  
 gttcctgcag aaagcccggt ccttggttga cctgtgtgct gcgcctggcg gatggntacn 120  
 tntggcnggc actggtatga nnacannnac ctntatntga tgagcttacc agttgttnat 180  
 tcaaggatga tgngaattnn attacacaat tcatattaaa tattccataa actgtgtctc 240  
 tctcaac 247

<210> 233  
 <211> 246  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(246)  
 <223> n = A,T,C or G

<400> 233  
 ctcactcttc taaaaaanen ccccnanctt naagaagcct tgnggacacn tcctacaaaa 60  
 cattgagatt tgctttttagg gcctccctga aaaccgctat ctaccgtata accaccacgt 120  
 ttggtgaaca tctgaacgct gngcaggcat ctgcngaaca tcanaaaaga cttcancaat 180  
 tcttgnagn ncaaagaata ntgangnaat ataaactgtg ttcattacc tgctgatata 240  
 actaca 246

<210> 234  
 <211> 238  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature

<222> (1)...(238)

<223> n = A,T,C or G

<400> 234

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actatcacag gcaggtagna tatggcaaga agacatgcgt atgtcagttt taagccatgt 60
atgaccaggc atgaaagaag cttgggtcgg gctgggtgat actatgaagt gttggaacta 120
gacgatgttc caaaggagaa cacctcaggt tccagtncat tggatcaagt ccatacctgct 180
ttaccaaagt aacctacagt tgaaaaaagt gaaacagaaa tttctactaa aaaaaaaa 238
```

<210> 235

<211> 235

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(235)

<223> n = A,T,C or G

<400> 235

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gagtgccctt tagcgtcttg gnnacaggng ctgcgtggct annacacagc ctgtcgccta 60
cttcggggca cgtctgcna acggtgcang ntccnnaag ncaaggtatg ccgtccgaag 120
naccctttna gggactttta caaaagggt taaagnctg atgtagggaa nttggccctg 180
cactgacgac atccgaagg gaagtgcact gtgctcctgc aggtctatga cgctt 235
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<210> 236

<211> 233

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(233)

<223> n = A,T,C or G

<400> 236

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gaacaaaact ggagccttcc taggnctggg agagctaaaa cgcttagatc tctccaacaa 60
tcggattggc tgtctcacct ctgagacatt tcaagggtc cctagacttc tcagactaaa 120
catatctgga aacatctact ctagtctgca acctggggtc tttgatgagc tgccagccct 180
tagctatagt gcccacctga atgtcaataa acagcagctg aagcaaaaaa aaa 233
```

<210> 237

<211> 232

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<222> (1)...(232)

<223> n = A,T,C or G

<400> 237

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actgaggagg tatttgatca tgggtcacct gngaaagcna nggcanatcc actaacnga 60
nnctacntat gaggaanaac tgnaantcgn nctggctnct tgattngagt atttattaan 120
gcagacagag cctgttcgca catttcattc agcctgctgc tcagaagact ccaacctcac 180
ccttgaagat gaaaccaggg ccgcccacgg gtaaaaaagg ataaaaaaaa aa 232
```

<210> 238  
 <211> 215  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(215)  
 <223> n = A,T,C or G

<400> 238  
 tgctggagta cgccgtttcc accagtgcta agttngcagc agangattta aagttcctgc 60  
 agctacaagt gcgattatta ctaatgatgg gaatangaat aaatcctgca cangactgnt 120  
 gggaatgttt tcttgaagc gnggntnaat anctganaat tattnntagn agaaccnng 180  
 gtgtgaagct ggtnatatnt gcgtgggtgg gaaca 215

<210> 239  
 <211> 203  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(203)  
 <223> n = A,T,C or G

<400> 239  
 tgcggcccca gcaggagccc ggcctcatct ctggagtcca tgcgggaatt gcatgctgaa 60  
 ctccaagggg acnactggag ggtcancctg gaggatcaca gcagccaagg gactttggnc 120  
 aaanaatgnc cgacttnnaa naggccacag actggagttg agtgangggg gacctttntg 180  
 acctttggcc cccaaaggtc aag 203

<210> 240  
 <211> 178  
 <212> DNA  
 <213> Mus musculus

<400> 240  
 tgagatctgt ttccctcat ctttccctca gagccagccc aggtttcttg gccttatgtg 60  
 gagatcatcg aacagccgaa gcaacggggc atgcgattcc gctataaatg cgagggggcg 120  
 tcagcgggca gtattcctgg cgagagaagc acagatacca ccaagacaca aaaaaaaa 178

<210> 241  
 <211> 176  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <222> (1)...(176)  
 <223> n = A,T,C or G

<400> 241  
 ctgcccaccc tccagactgg gcgccatngn tccaaggctg tgacccgcca ctggcgagnn 60  
 atgcacttgc agcggcagaa gctgagaggc gtataacgtg annatatctc ctgcaccaaca 120  
 ctctgccatc anccacgaga tgctgcntc ctntcncaa gcccccaag gaggag 176

<210> 242  
<211> 169  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(169)  
<223> n = A,T,C or G

<400> 242  
gttgcgctc tccgctgcag tcaaaactcc tcattggcta aaatgcccc aacaggngcc 60  
tgcattgtcca atggcttcca tggcatactc cacttggtat aancgacct caaaacagtg 120  
agtcaccacg gttcctntcg ctcttgacc actcatctga gaaaaatca 169

<210> 243  
<211> 133  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(133)  
<223> n = A,T,C or G

<400> 243  
acgtctactc taaggaccan ntgcagacnt tctctgngga gcacccctgnt cttctaacgg 60  
aggccccact gancccccagt aagaaccggg agaaggnggn agaggtcttc ttgaaacct 120  
tcaatgctcc tgc 133

<210> 244  
<211> 130  
<212> DNA  
<213> Mus musculus

<400> 244  
gctagaagaa agccaaggta attgcagtaa tgaatgctgt ggaagagaac caggcctctg 60  
gagagtctca gaagggtggag gaggccagcc ctctgctgt gcagcatccc acgggtgcct 120  
gatgatgcaa 130

<210> 245  
<211> 130  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(130)  
<223> n = A,T,C or G

<400> 245  
gcgcaagtcc tgtcaggcct gccgactcat gaaangcctn aaagtgggga tgctgaagga 60  
aggngagcgc cttgaccgnn ttcgaggagg ccgcctgnaa gtacangcga cngctggatt 120  
cggtataaca 130

<210> 246

<211> 123  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<222> (1)...(123)  
<223> n = A,T,C or G

<400> 246  
agctcactac cctgctggaa gcagngggaa aaggaccatg gnagtggna cgcatatggc 60  
accaaactct taccanaatg tctgaattat nttgaaaaag aaaccgaaga atatcttaaa 120  
gga 123

<210> 247  
<211> 113  
<212> DNA  
<213> Mus musculus

<400> 247  
gaggactgga cggcagccct gctgaacagg ggccgcagtc ggcagccct ggtgctaggg 60  
gataactgtt ttgctgattt agttcacaat tggatggagt tgcctgaagc aga 113

<210> 248  
<211> 109  
<212> DNA  
<213> Mus musculus

<400> 248  
actgagggga tgatgagcaa tctatacaaa tggctgcaag ttgggaagat gaaaaagtga 60  
cacaagcatc atcaacaac tttgttgcta ttaaaattga tactaaaag 109

Submitted by: [illegible]